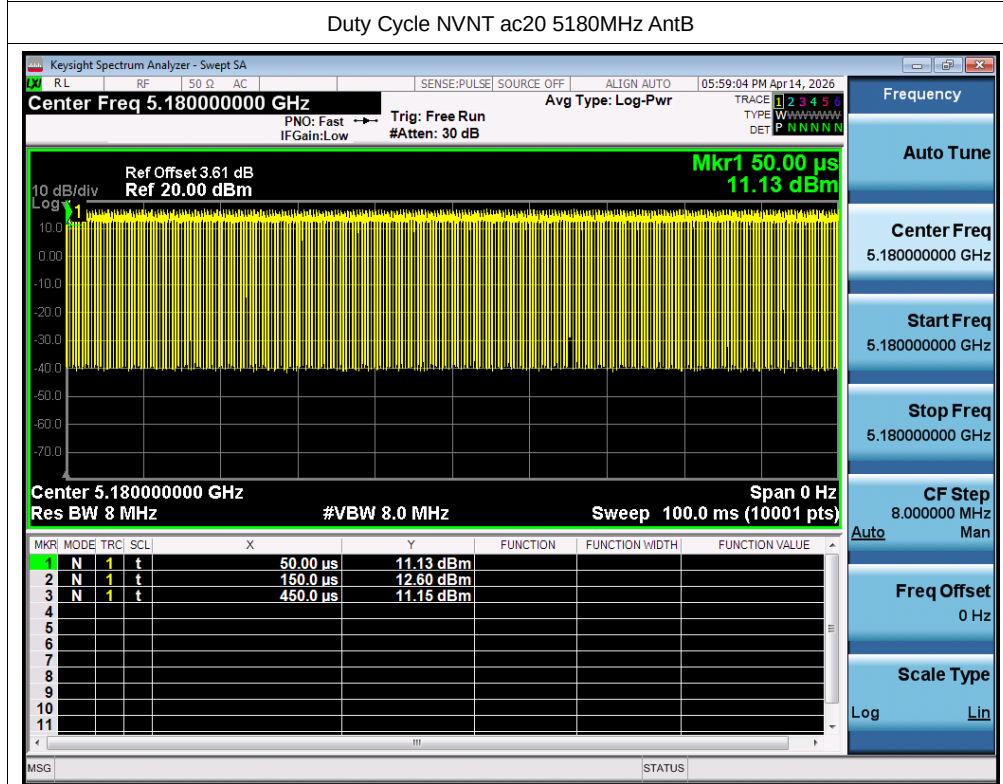
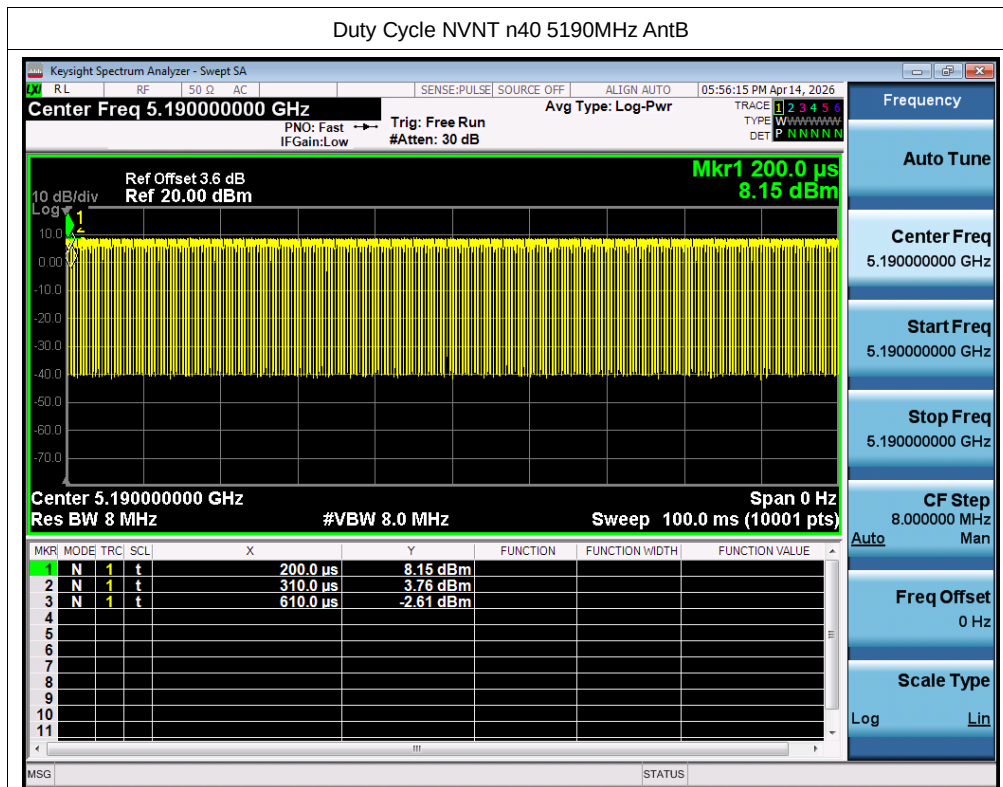
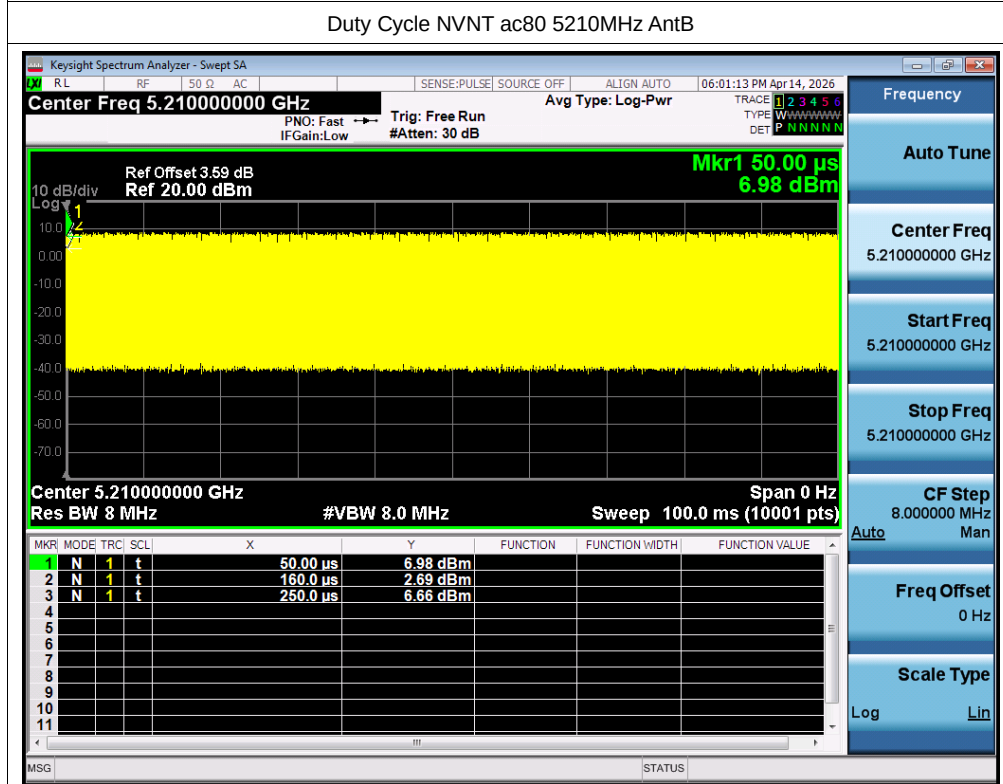
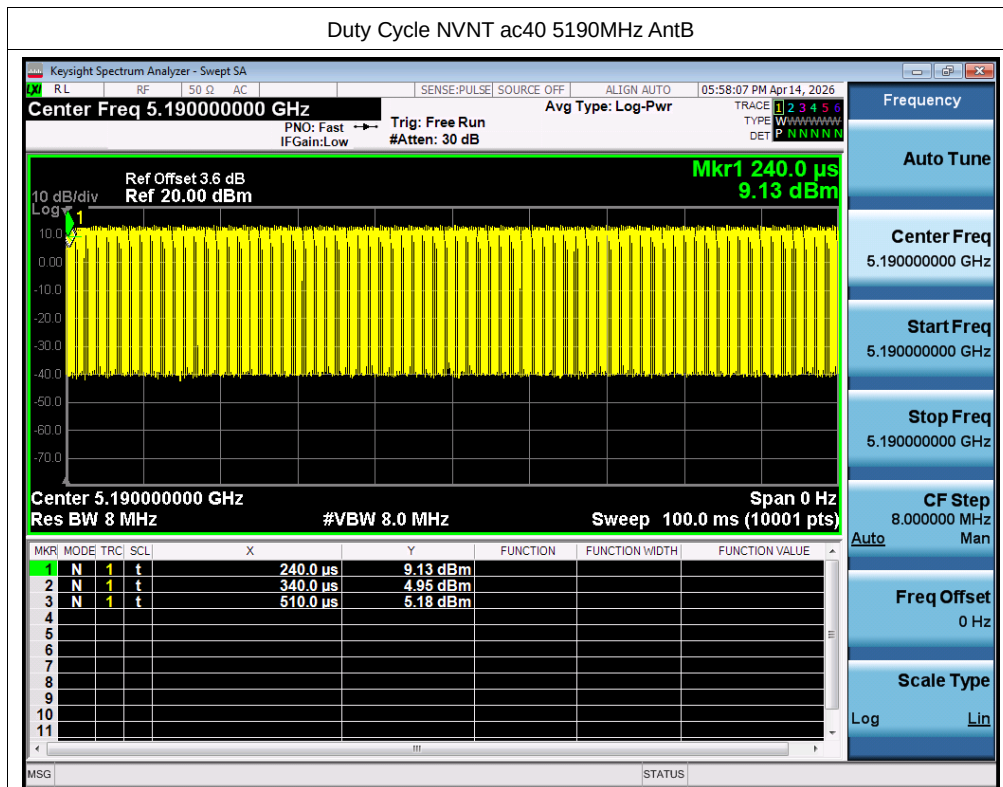


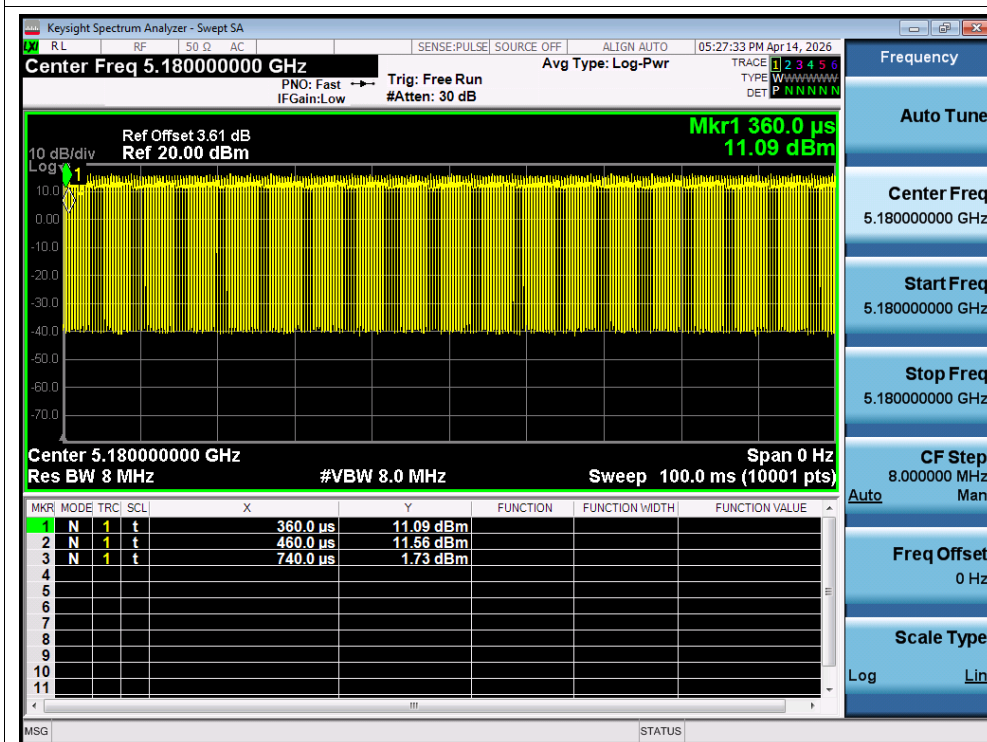
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	AntB	77.27	1.12	2.94
	n20			75	1.25	3.33
	n40	5190		73.17	1.36	3.33
	ac20	5180		75	1.25	3.33
	ac40	5190		62.96	2.01	5.88
	ac80	5210		45	3.47	11.11
	ax20	5180		73.68	1.33	3.57
	ax40	5190		62.96	2.01	5.88
	ax80	5210		54.55	2.63	8.33

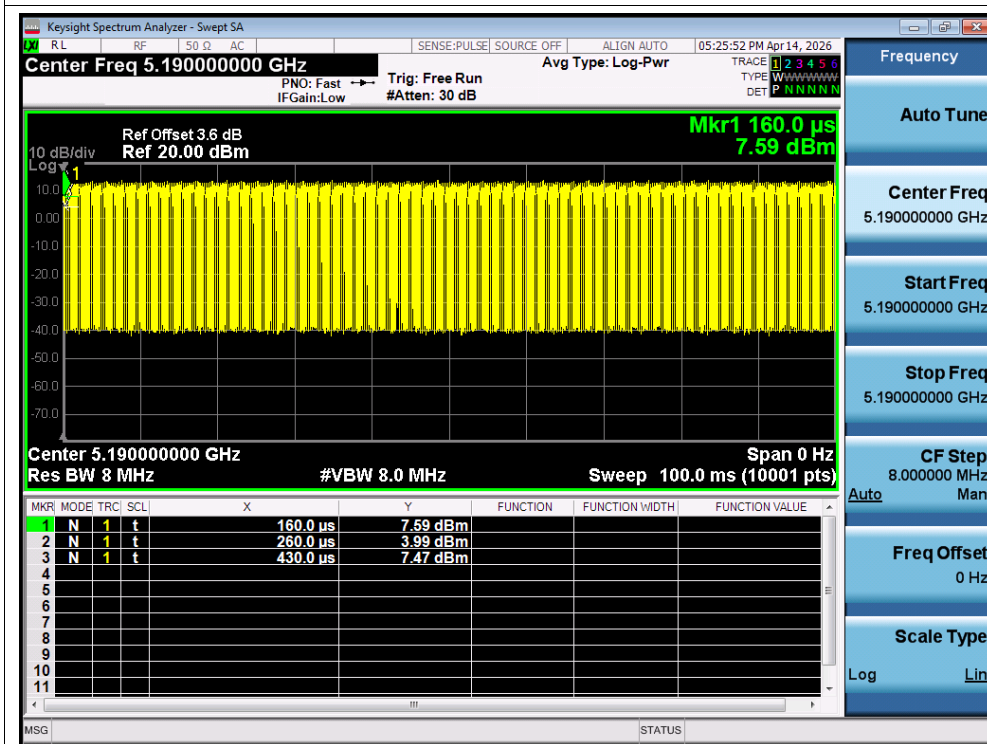


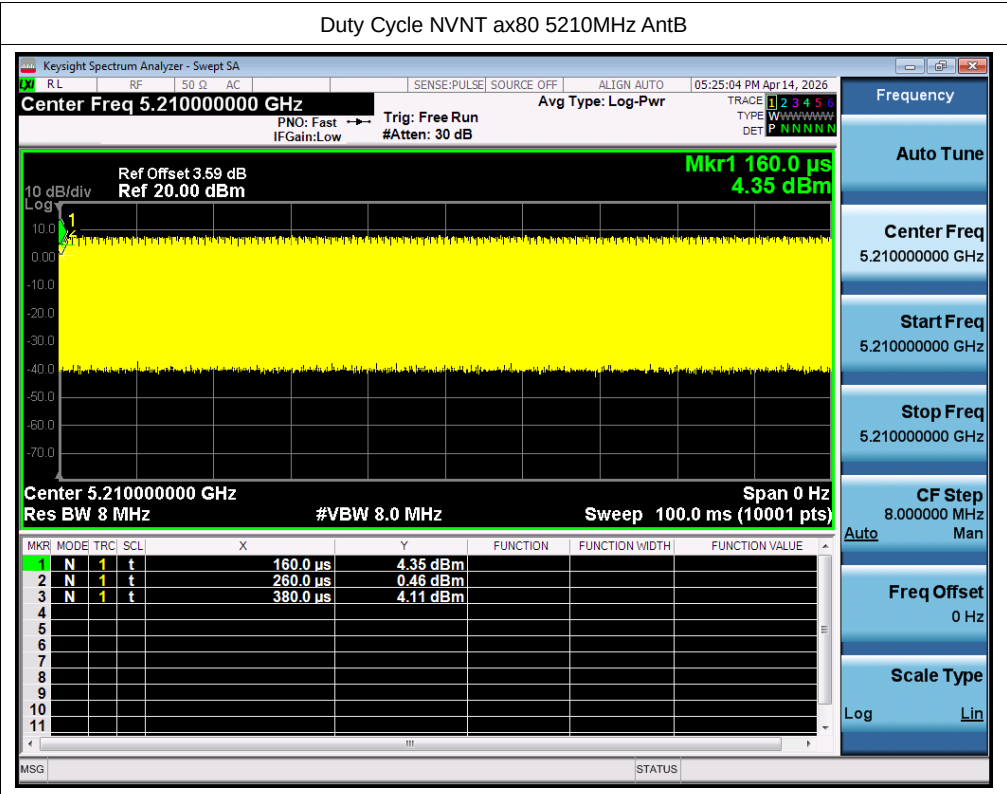


Duty Cycle NVNT ax20 5180MHz AntB



Duty Cycle NVNT ax40 5190MHz AntB





Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntB	13.01	1.12	14.13	24	Pass
NVNT	a	5200	AntB	13.03	1.12	14.15	24	Pass
NVNT	a	5240	AntB	13.12	1.12	14.24	24	Pass
NVNT	n20	5180	AntB	11.8	1.25	13.05	24	Pass
NVNT	n20	5200	AntB	11.84	1.25	13.09	24	Pass
NVNT	n20	5240	AntB	11.91	1.25	13.16	24	Pass
NVNT	n40	5190	AntB	10.83	1.36	12.19	24	Pass
NVNT	n40	5230	AntB	10.84	1.36	12.20	24	Pass
NVNT	ac20	5180	AntB	11.71	1.25	12.96	24	Pass
NVNT	ac20	5200	AntB	11.76	1.25	13.01	24	Pass
NVNT	ac20	5240	AntB	11.9	1.25	13.15	24	Pass
NVNT	ac40	5190	AntB	10.82	2.01	12.83	24	Pass
NVNT	ac40	5230	AntB	10.85	2.01	12.86	24	Pass
NVNT	ac80	5210	AntB	9.72	3.47	13.19	24	Pass
NVNT	ax20	5180	AntB	11.55	1.33	12.88	24	Pass
NVNT	ax20	5200	AntB	11.64	1.33	12.97	24	Pass
NVNT	ax20	5240	AntB	11.74	1.33	13.07	24	Pass
NVNT	ax40	5190	AntB	10.63	2.01	12.64	24	Pass
NVNT	ax40	5230	AntB	10.81	2.01	12.82	24	Pass
NVNT	ax80	5210	AntB	10.27	2.63	12.90	24	Pass

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)			Limit (dBm)	Verdict
			Ant A	Ant B	Total		
NVNT	a	5180	13.11	14.13	/	30	Pass
NVNT	a	5200	13.15	14.15	/	30	Pass
NVNT	a	5240	13.35	14.24	/	30	Pass
NVNT	n20	5180	12.18	13.05	15.65	30	Pass
NVNT	n20	5200	12.23	13.09	15.69	30	Pass
NVNT	n20	5240	12.37	13.16	15.79	30	Pass
NVNT	n40	5190	12.23	12.19	15.22	30	Pass
NVNT	n40	5230	12.08	12.20	15.15	30	Pass
NVNT	ac20	5180	12.21	12.96	15.61	30	Pass
NVNT	ac20	5200	12.23	13.01	15.65	30	Pass
NVNT	ac20	5240	12.34	13.15	15.77	30	Pass
NVNT	ac40	5190	12.10	12.83	15.49	30	Pass
NVNT	ac40	5230	12.09	12.86	15.50	30	Pass
NVNT	ac80	5210	12.52	13.19	15.88	30	Pass
NVNT	ax20	5180	12.18	12.88	15.55	30	Pass
NVNT	ax20	5200	12.16	12.97	15.59	30	Pass
NVNT	ax20	5240	12.29	13.07	15.71	30	Pass
NVNT	ax40	5190	12.37	12.64	15.52	30	Pass
NVNT	ax40	5230	12.38	12.82	15.62	30	Pass
NVNT	ax80	5210	12.42	12.90	15.68	30	Pass

Note:

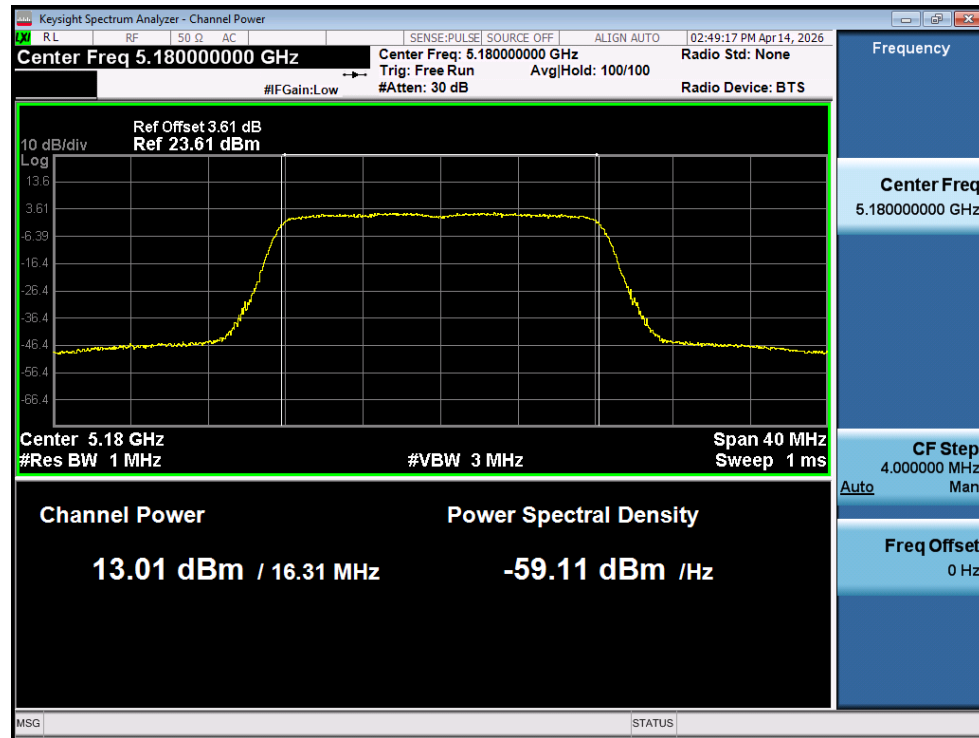
For power measurements.

The Array gain=0 for NANT≤4

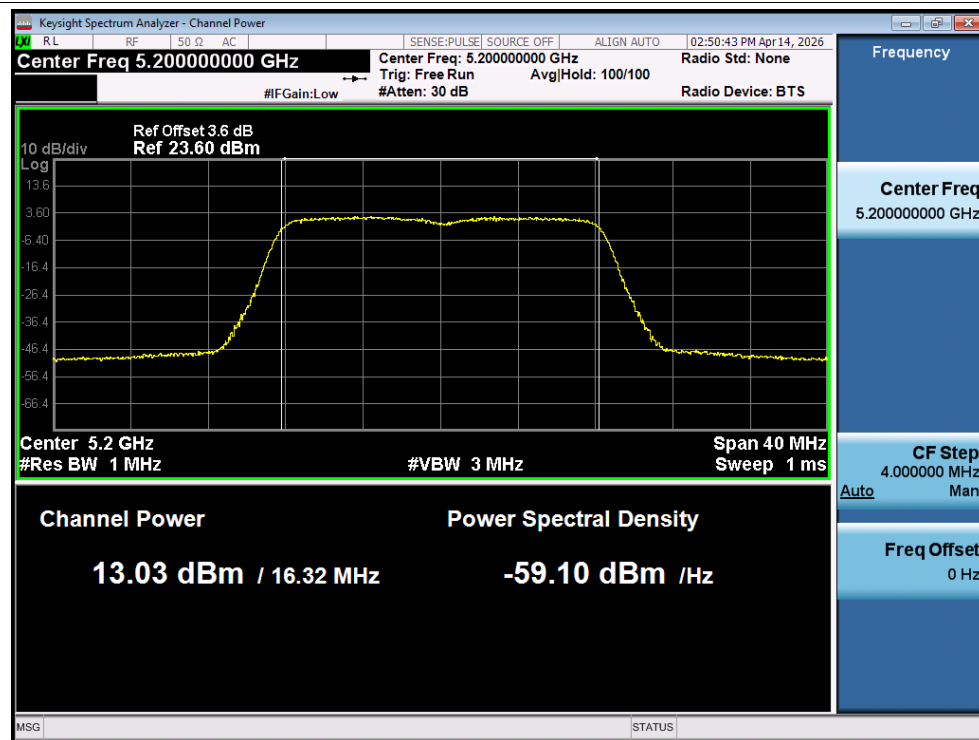
So the directional gain for Power measurements is 1.93 dBi

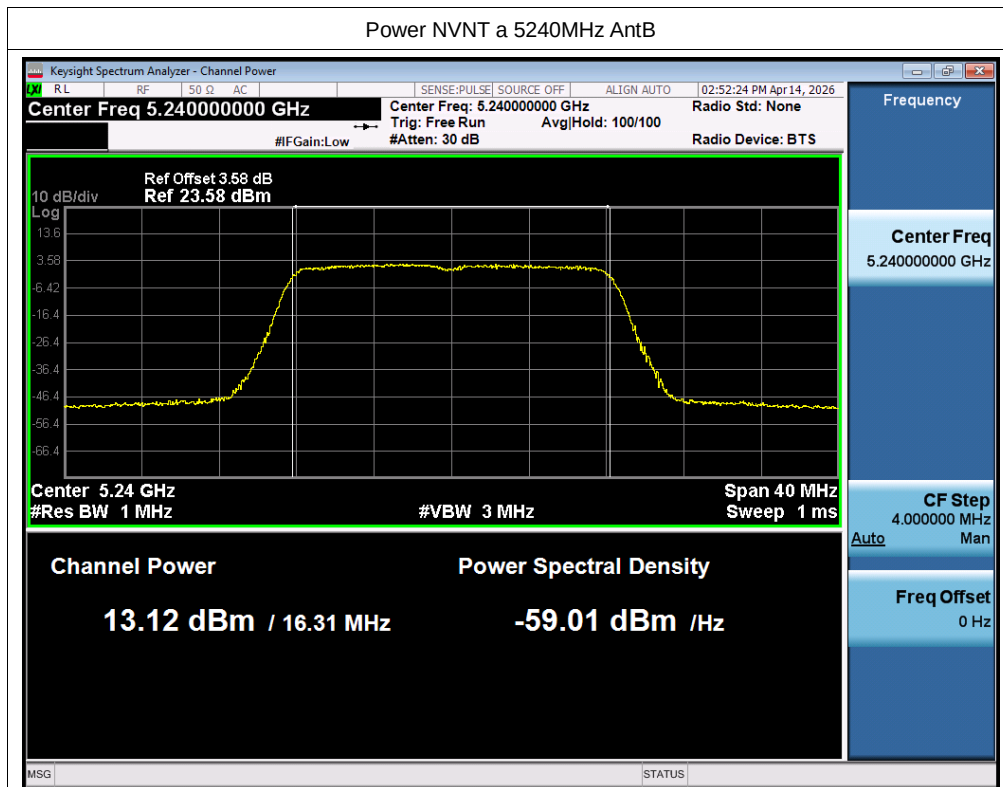
Test Graphs

Power NVNT a 5180MHz AntB

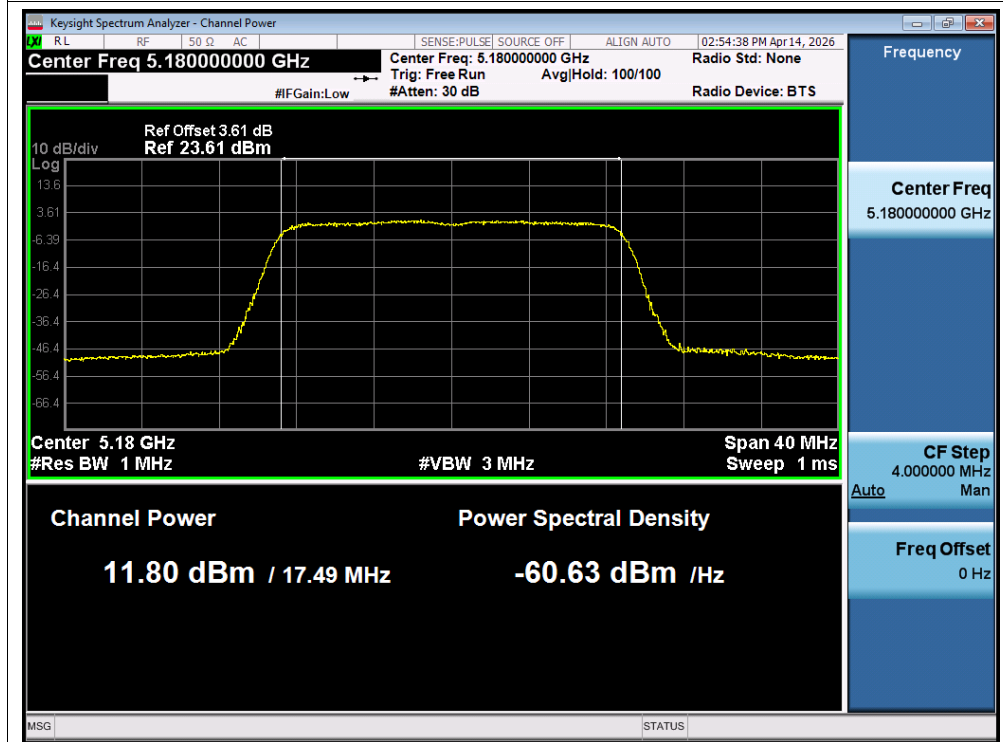


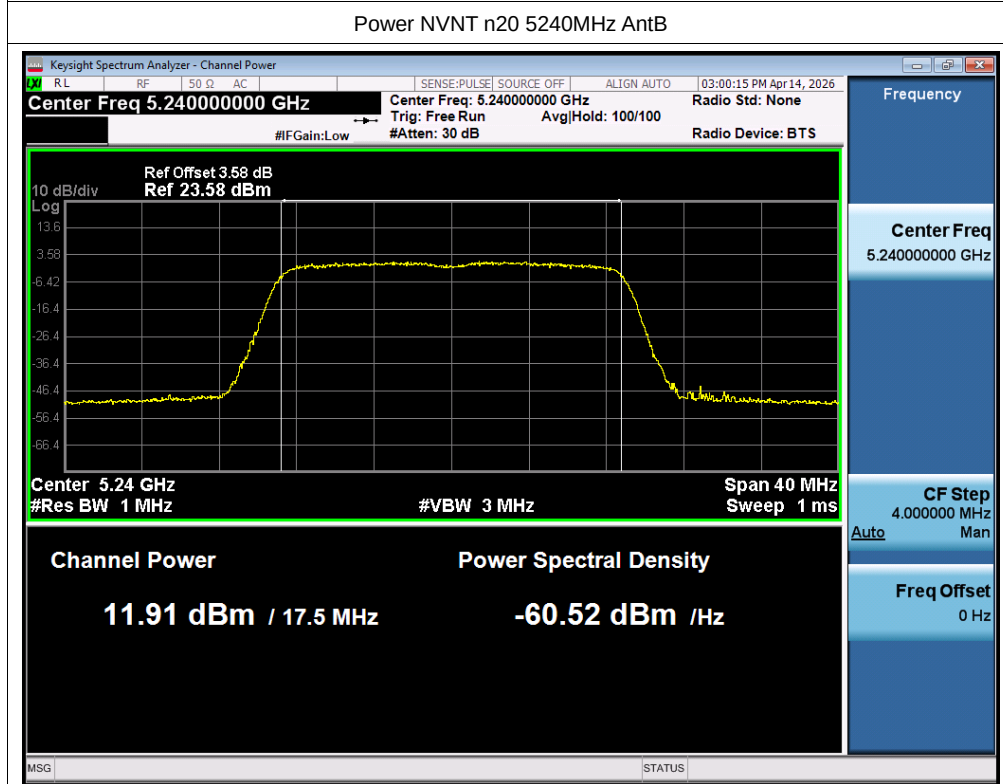
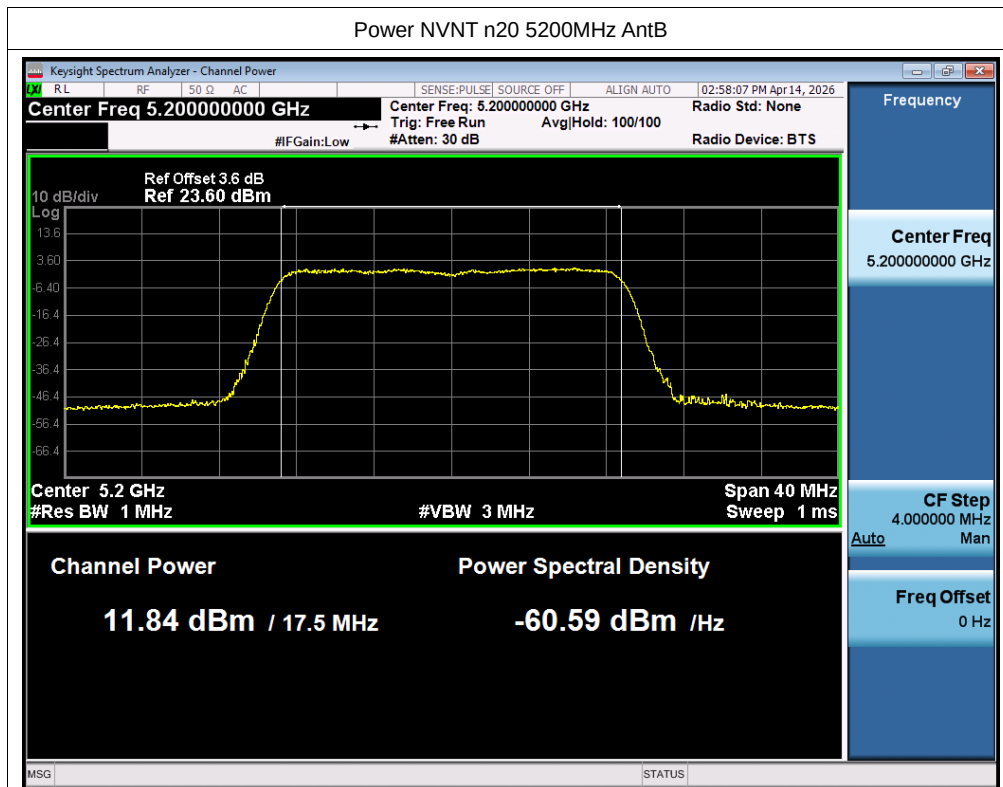
Power NVNT a 5200MHz AntB



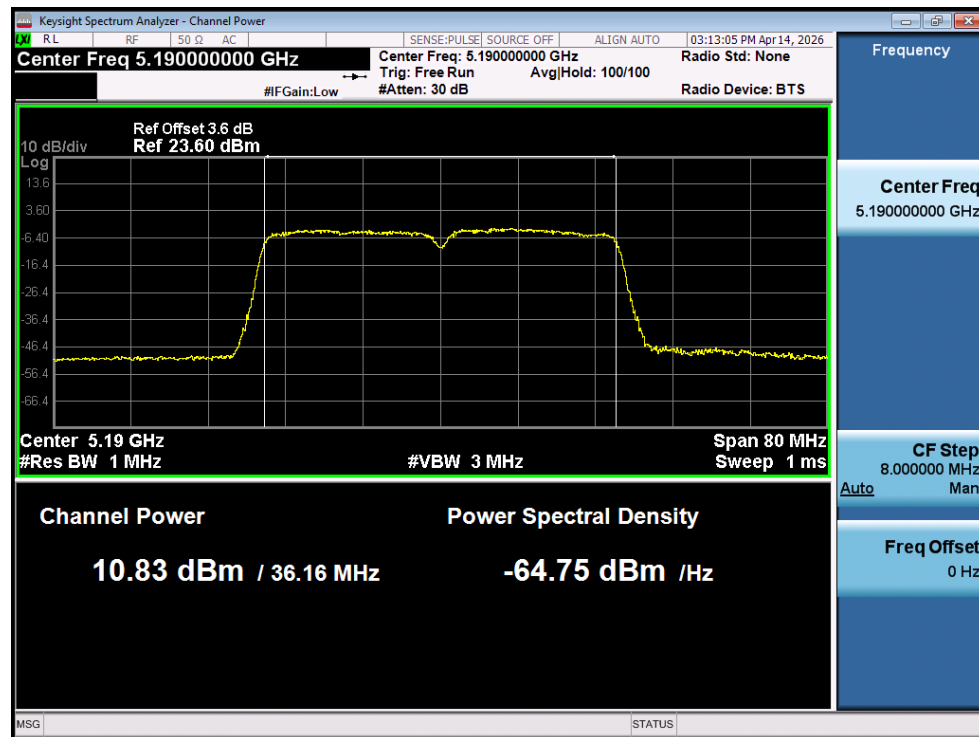


Power NVNT n20 5180MHz AntB

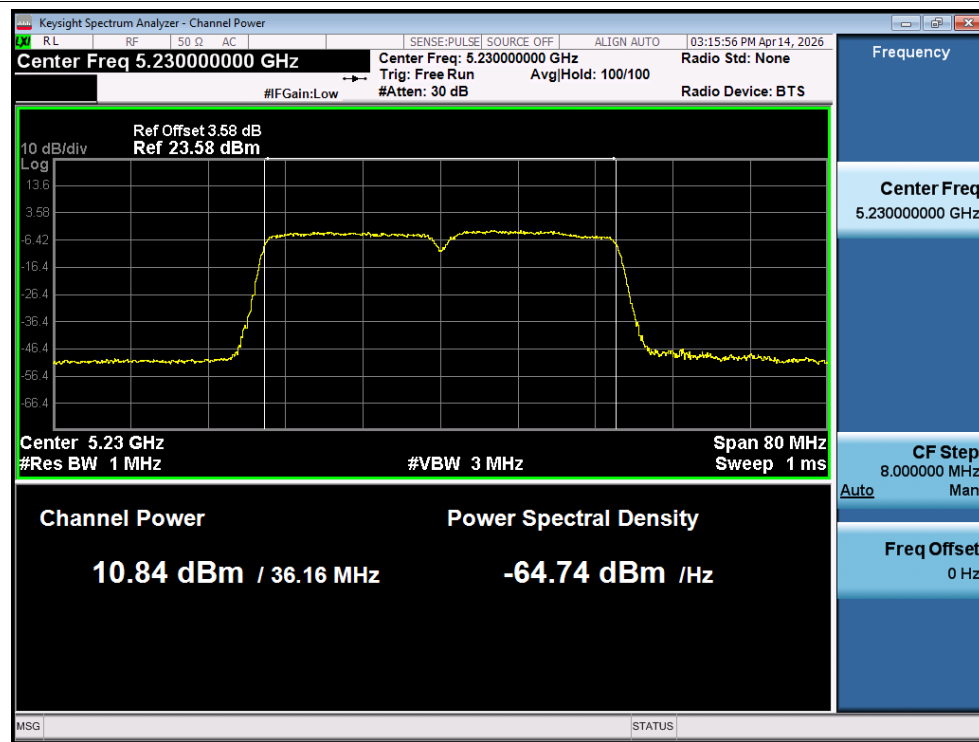


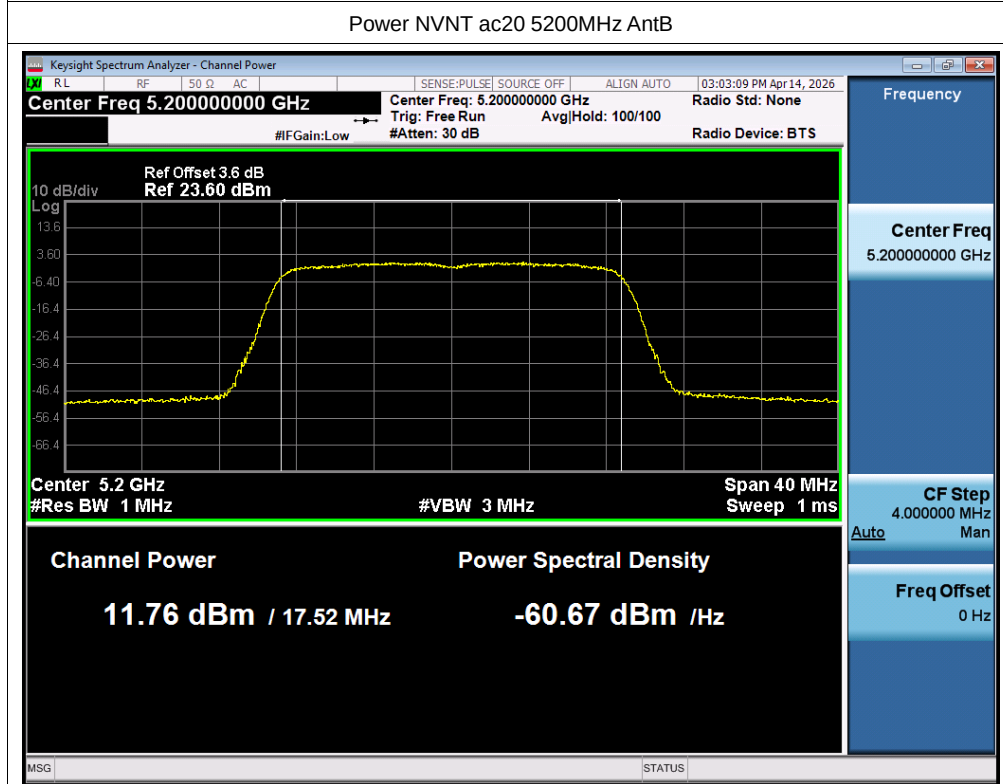
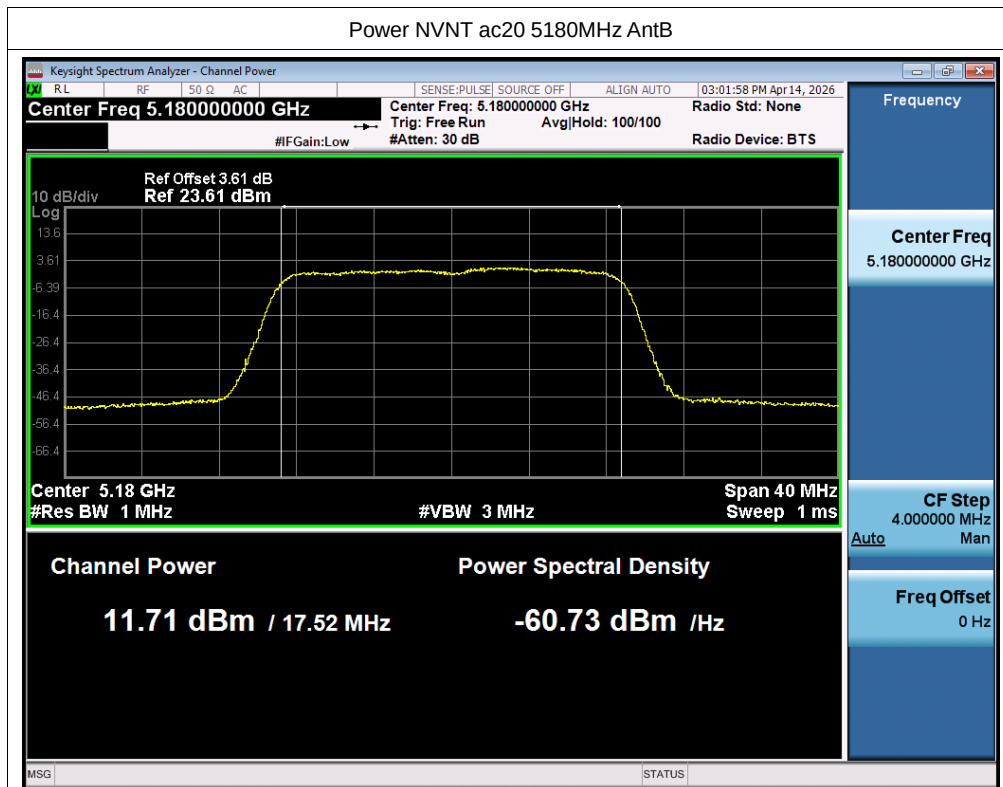


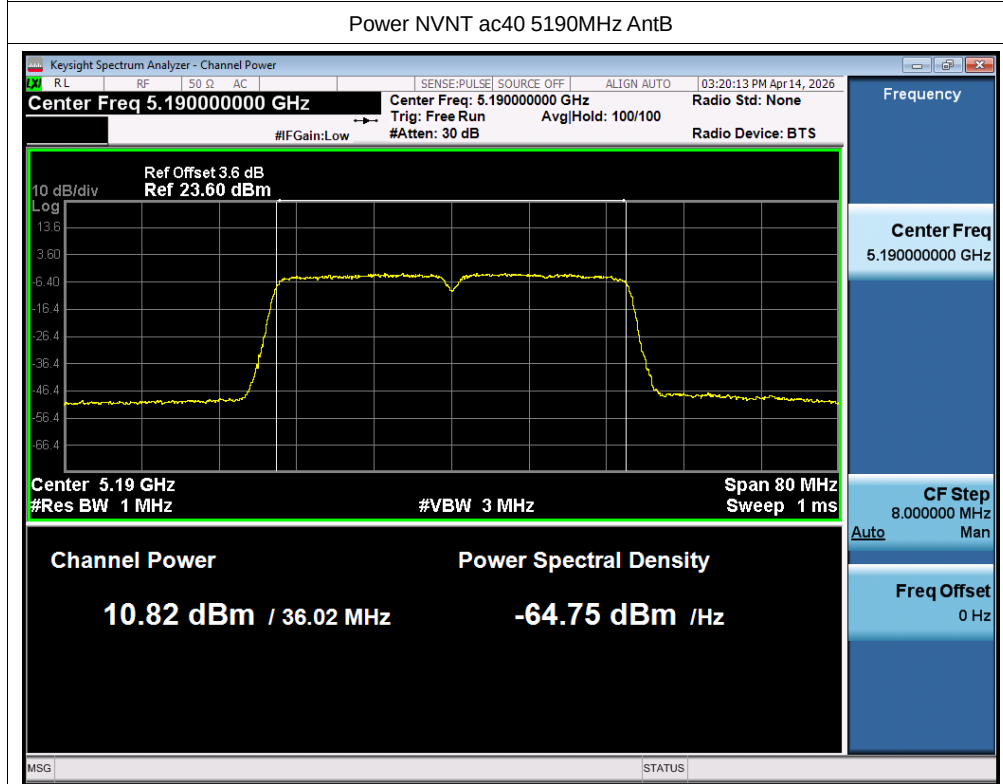
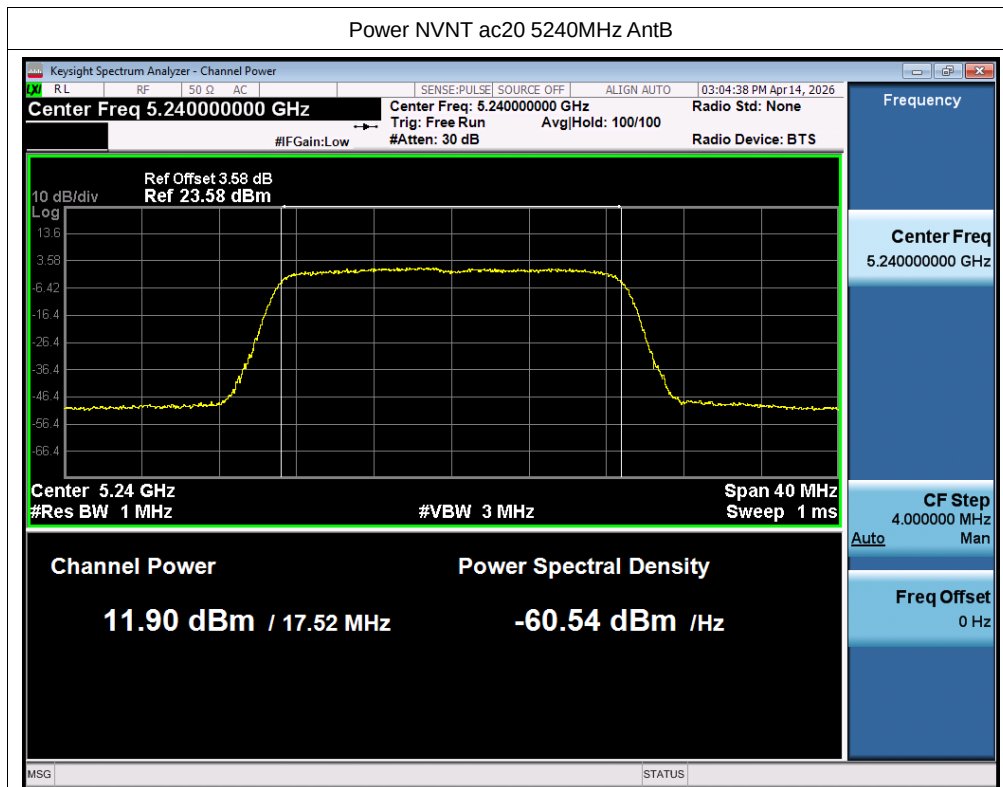
Power NVNT n40 5190MHz AntB



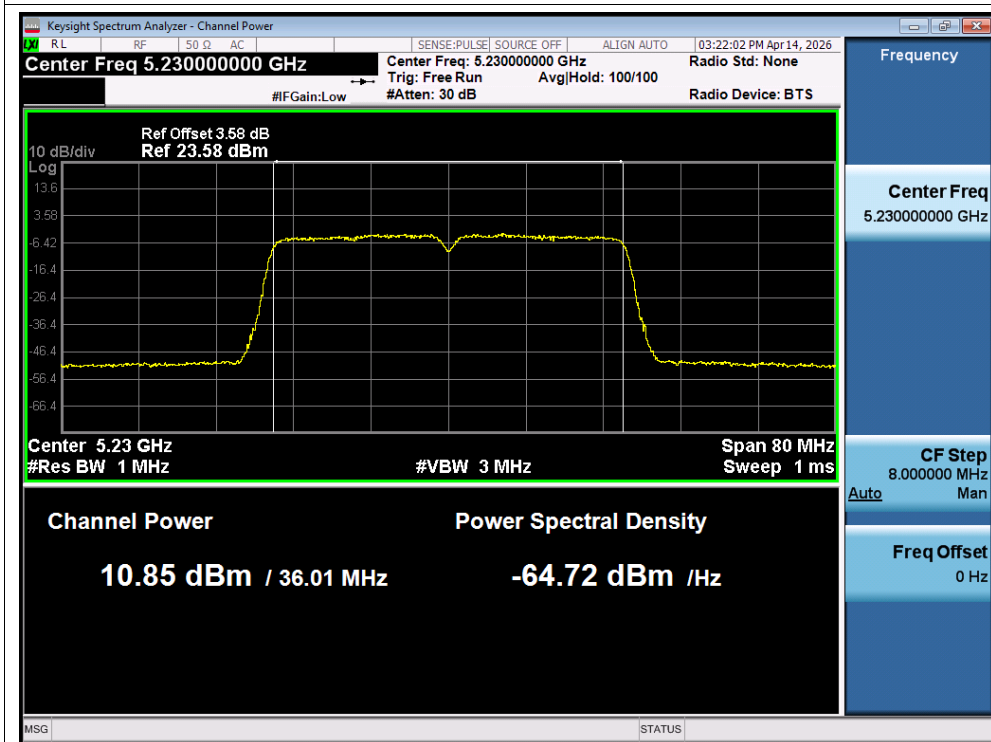
Power NVNT n40 5230MHz AntB



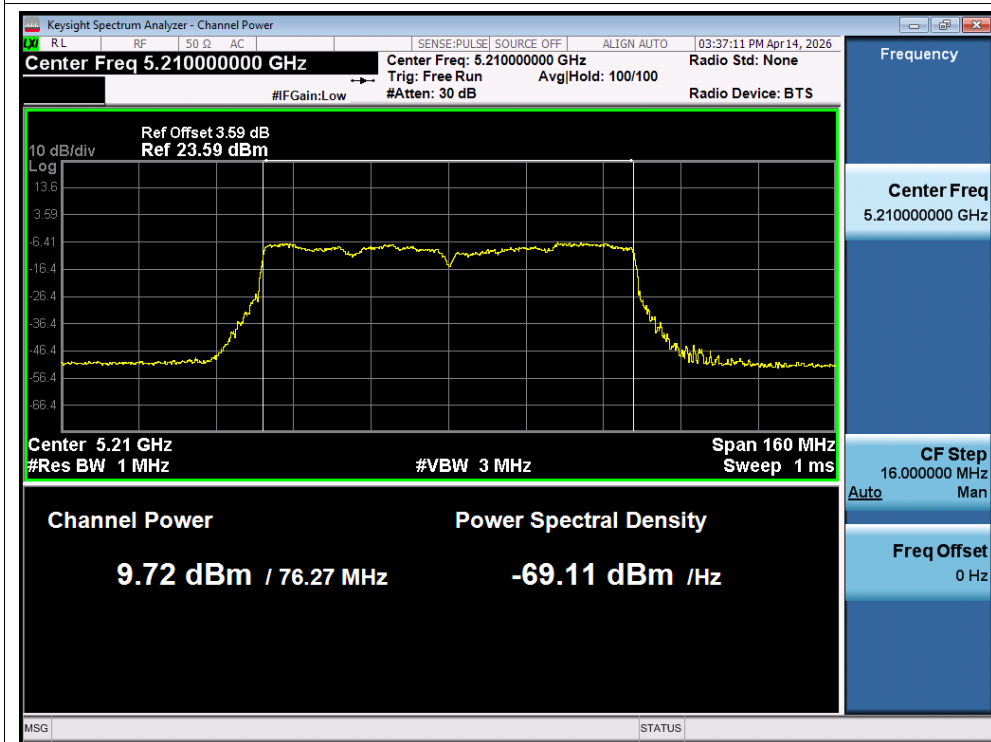


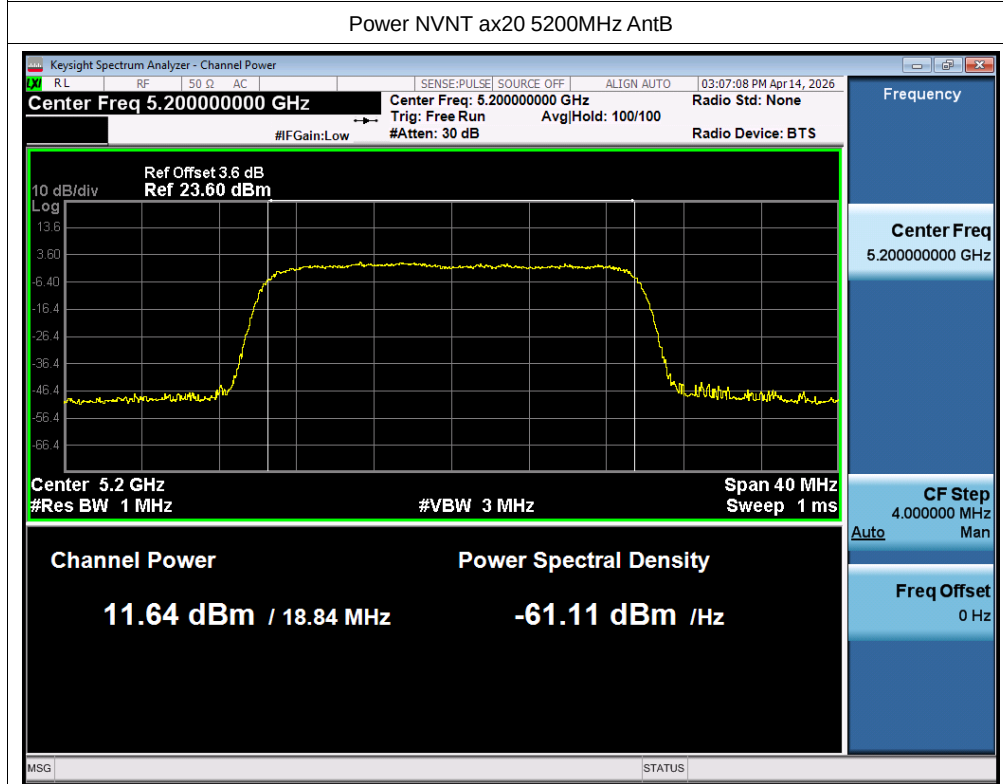
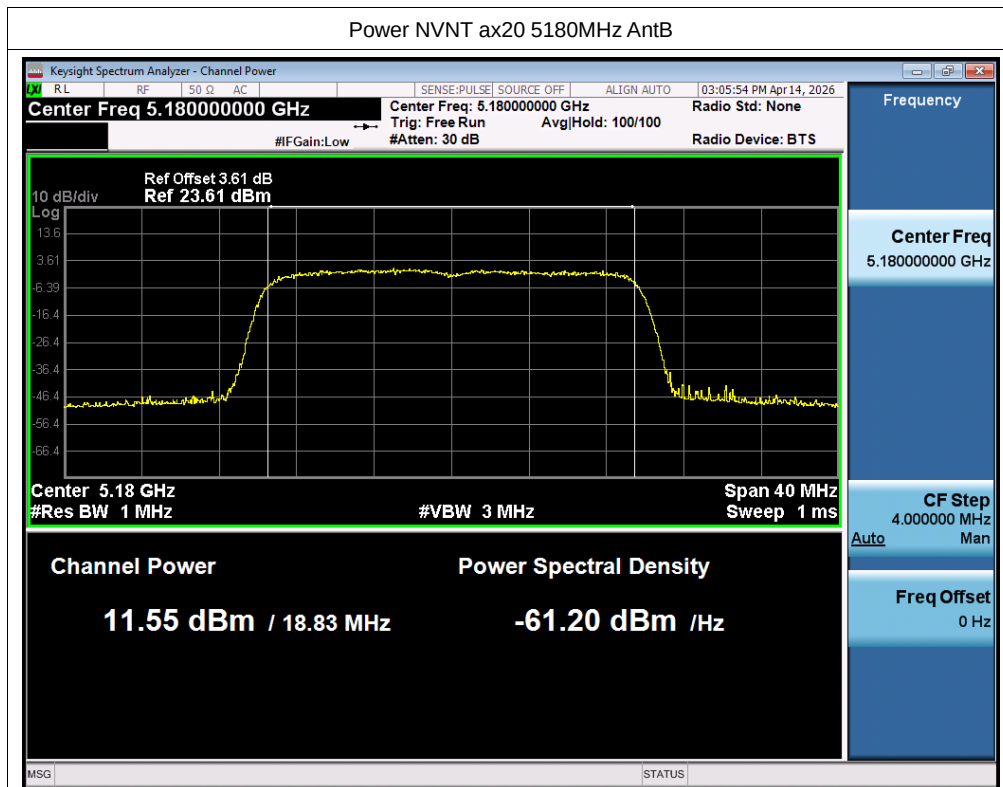


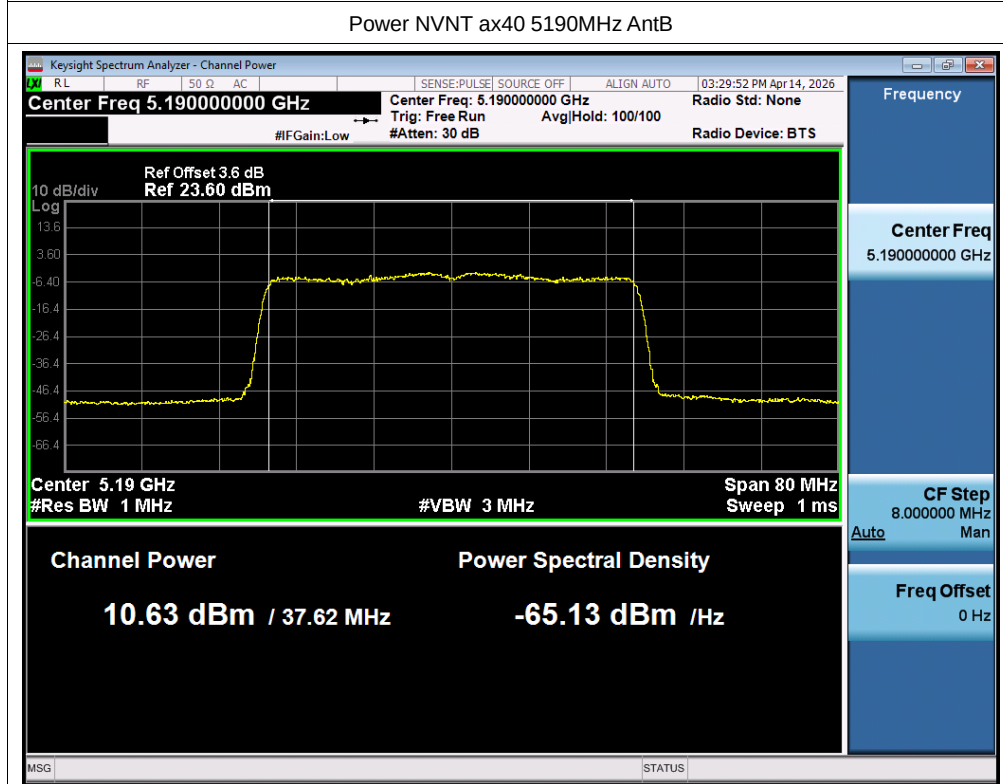
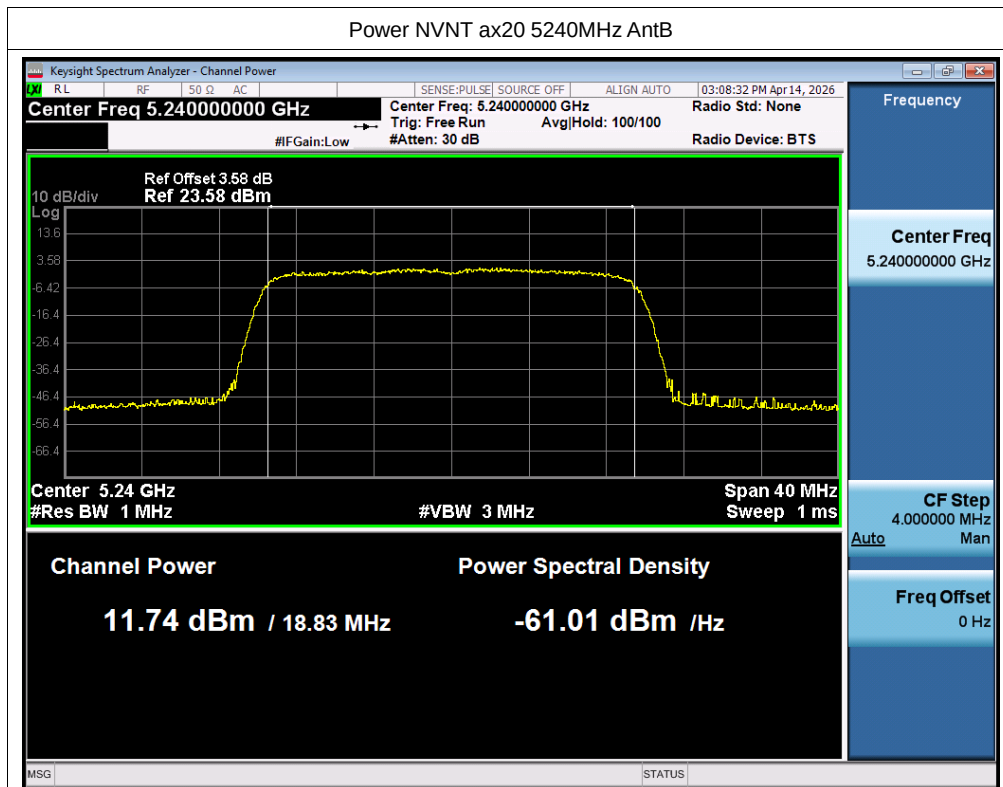
Power NVNT ac40 5230MHz AntB



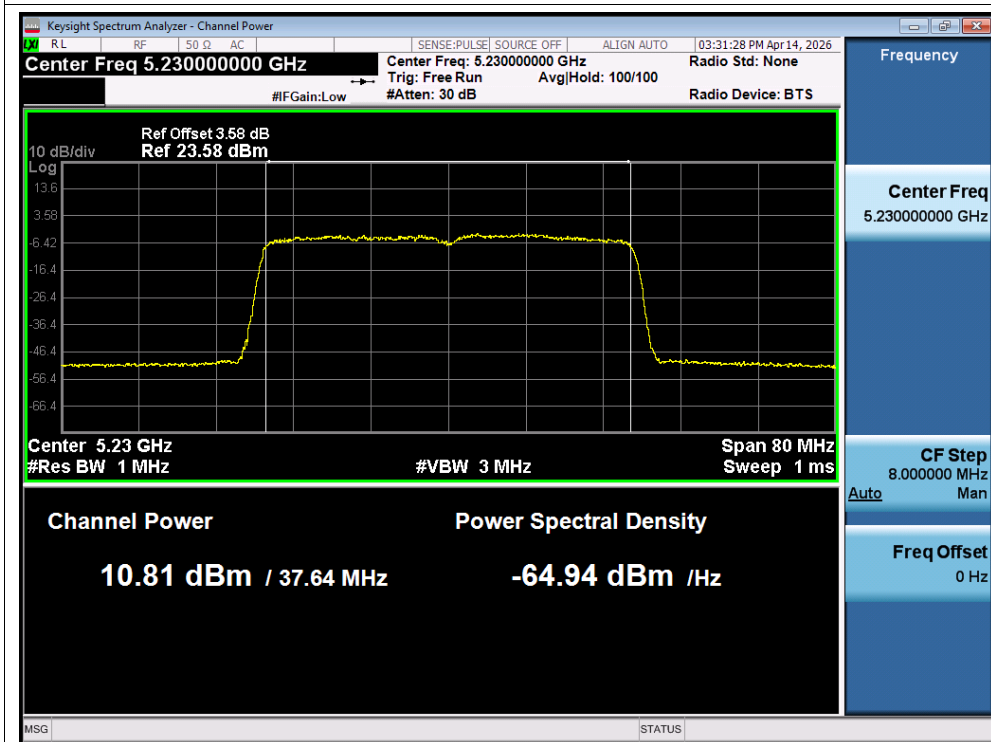
Power NVNT ac80 5210MHz AntB



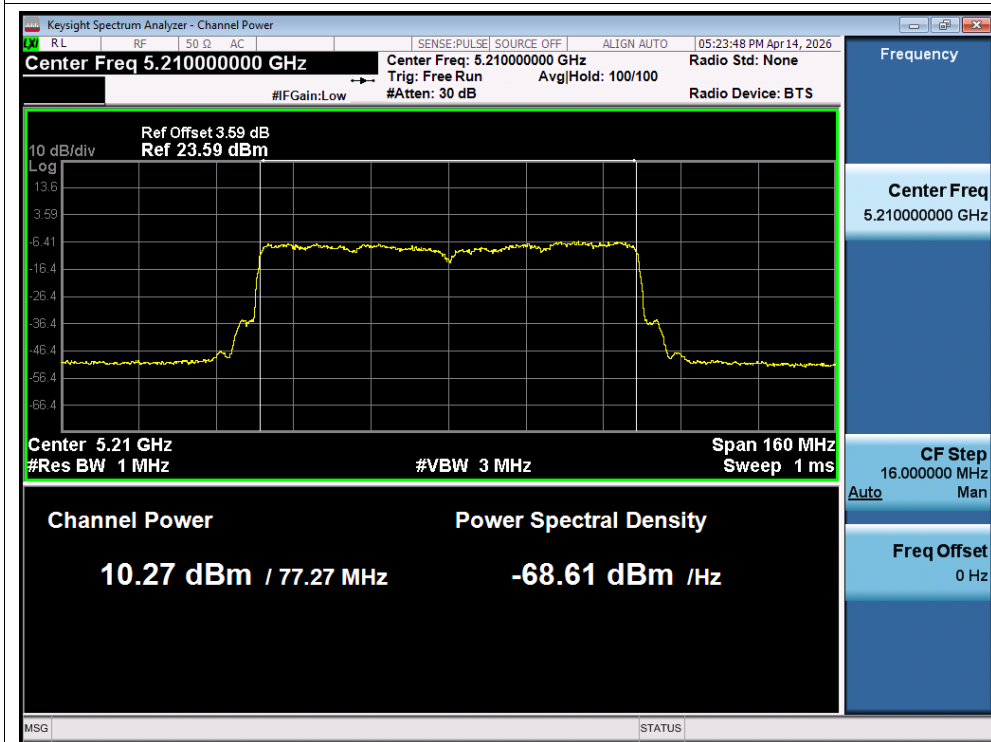




Power NVNT ax40 5230MHz AntB



Power NVNT ax80 5210MHz AntB

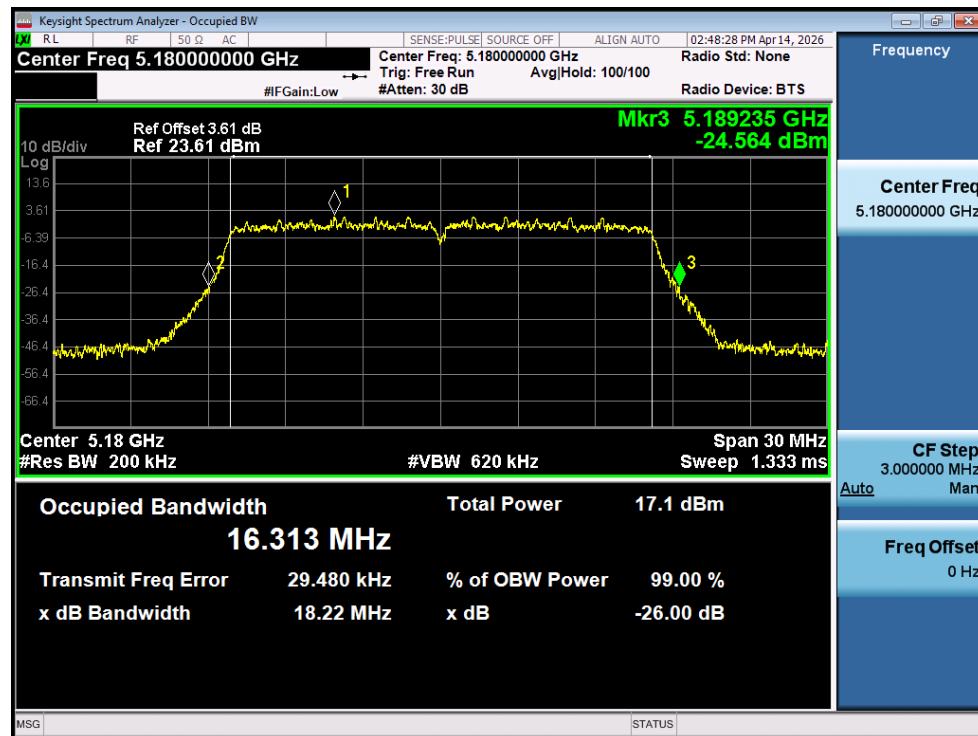


-26dB Bandwidth

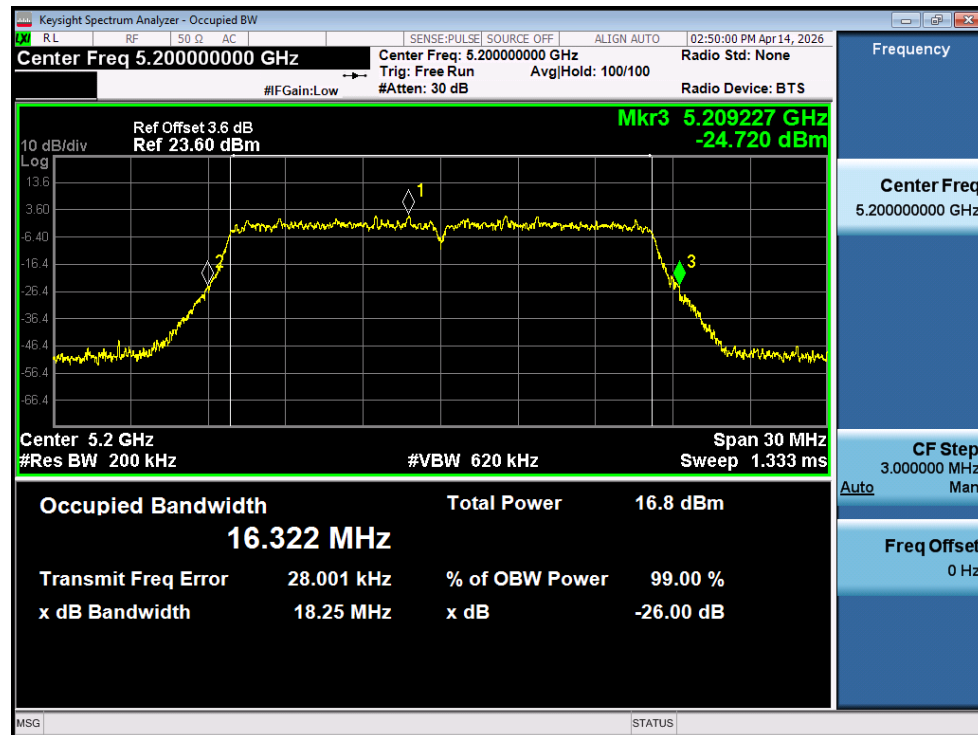
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	AntB	18.22	0.5	Pass
		5200		18.25	0.5	Pass
		5240		18.15	0.5	Pass
	n20	5180		19.09	0.5	Pass
		5200		19.13	0.5	Pass
		5240		19.03	0.5	Pass
	n40	5190		38.95	0.5	Pass
		5230		38.8	0.5	Pass
	ac20	5180		19.23	0.5	Pass
		5200		19.24	0.5	Pass
		5240		19.31	0.5	Pass
	ac40	5190		39.06	0.5	Pass
		5230		38.72	0.5	Pass
	ac80	5210		86.01	0.5	Pass
	ax20	5180		20.14	0.5	Pass
		5200		20.24	0.5	Pass
		5240		20.06	0.5	Pass
	ax40	5190		39.74	0.5	Pass
		5230		39.68	0.5	Pass
	ax80	5210		80.7	0.5	Pass

Test Graphs

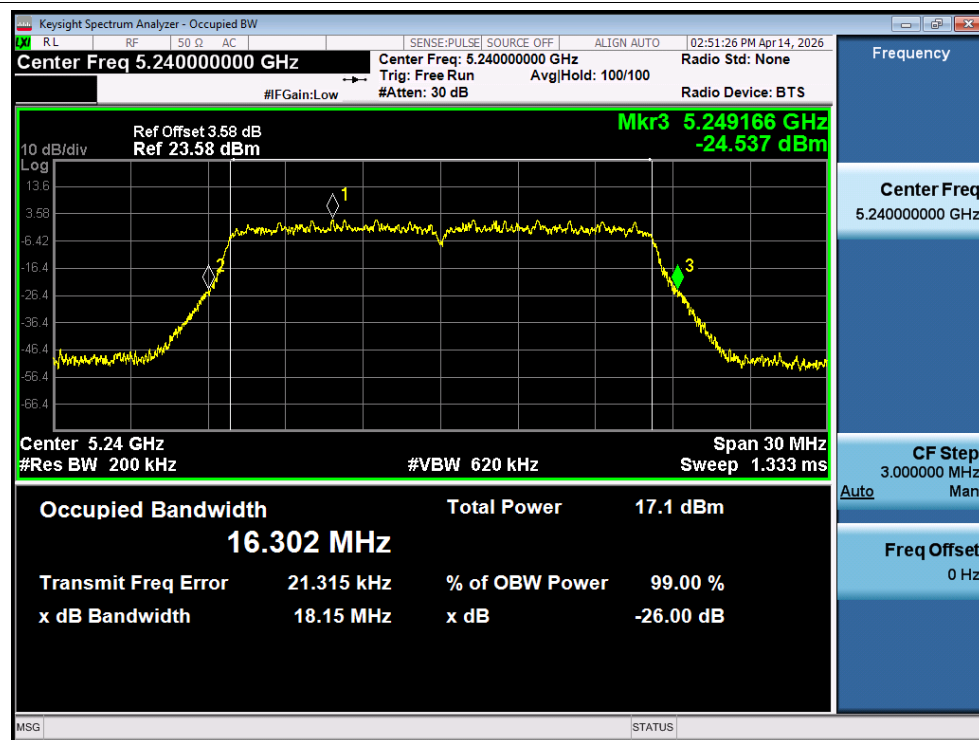
-26dB Bandwidth NVNT a 5180MHz AntB



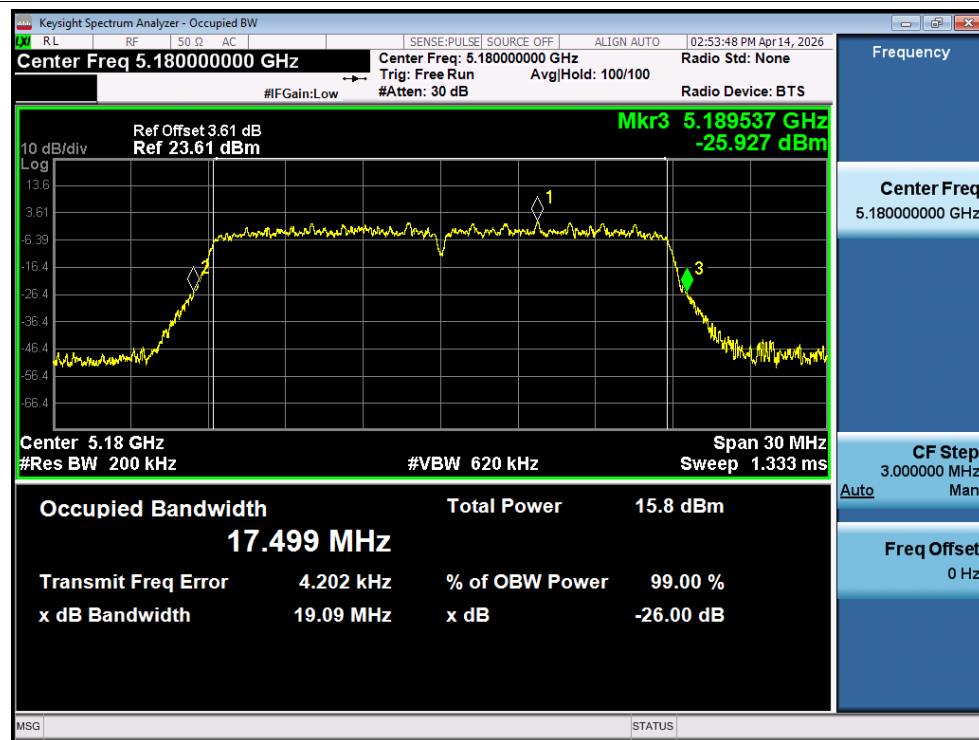
-26dB Bandwidth NVNT a 5200MHz AntB



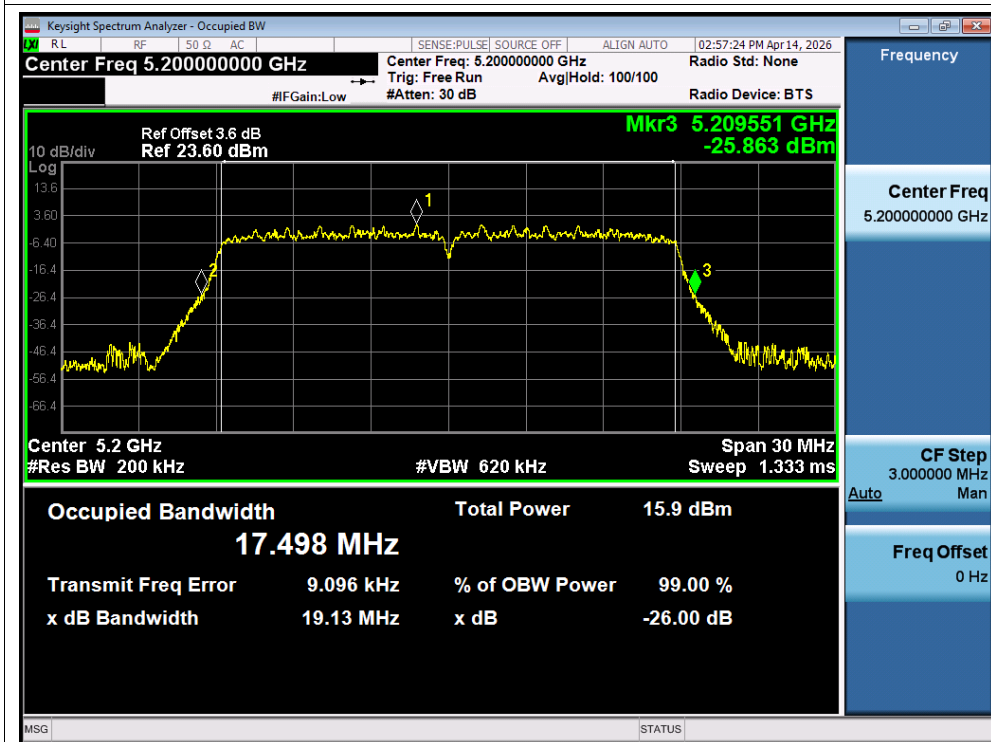
-26dB Bandwidth NVNT a 5240MHz AntB



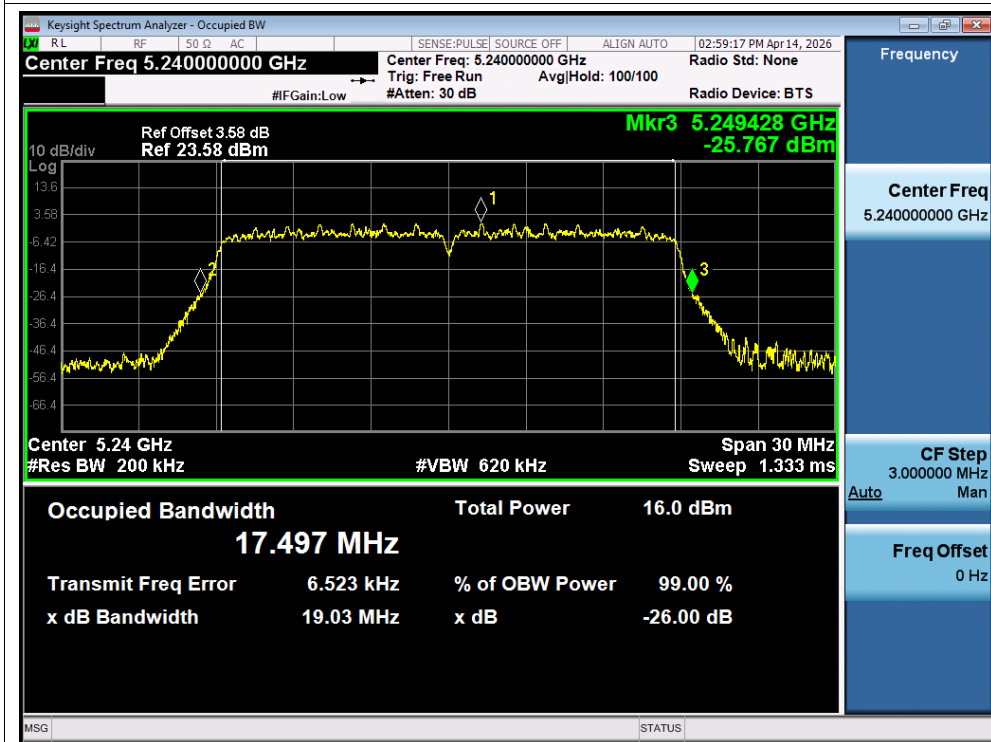
-26dB Bandwidth NVNT n20 5180MHz AntB



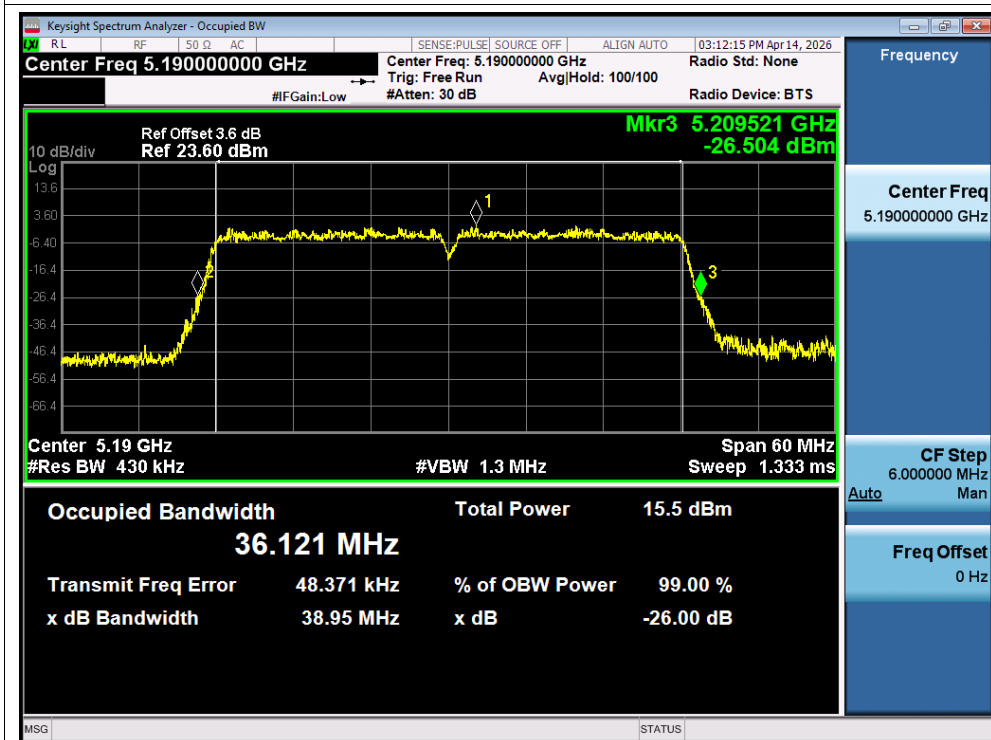
-26dB Bandwidth NVNT n20 5200MHz AntB



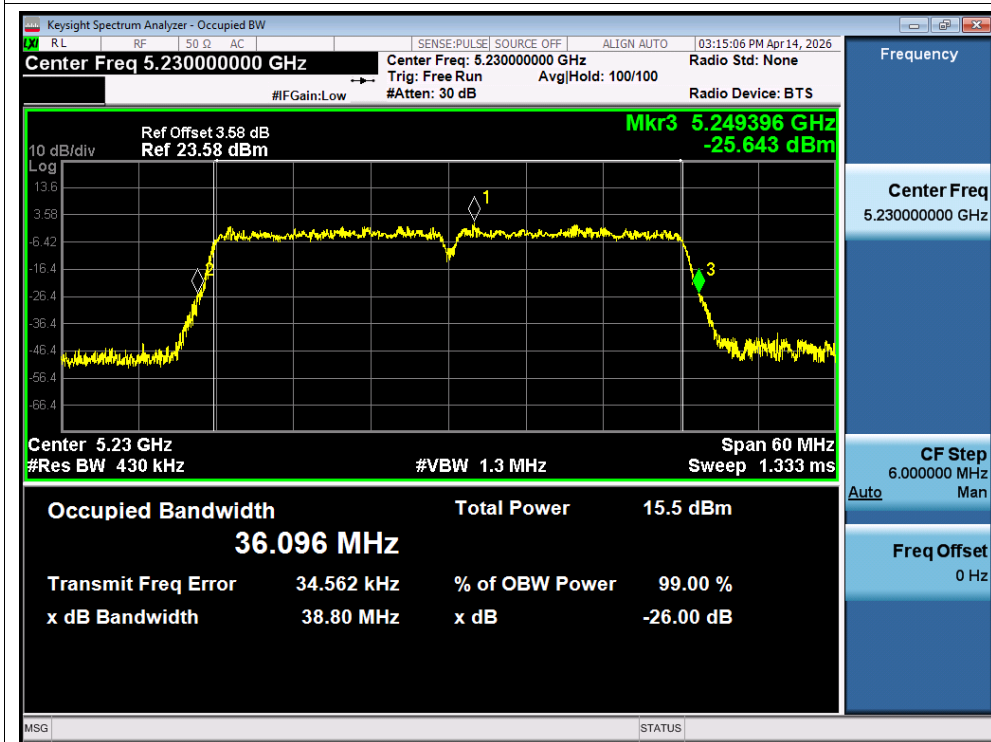
-26dB Bandwidth NVNT n20 5240MHz AntB



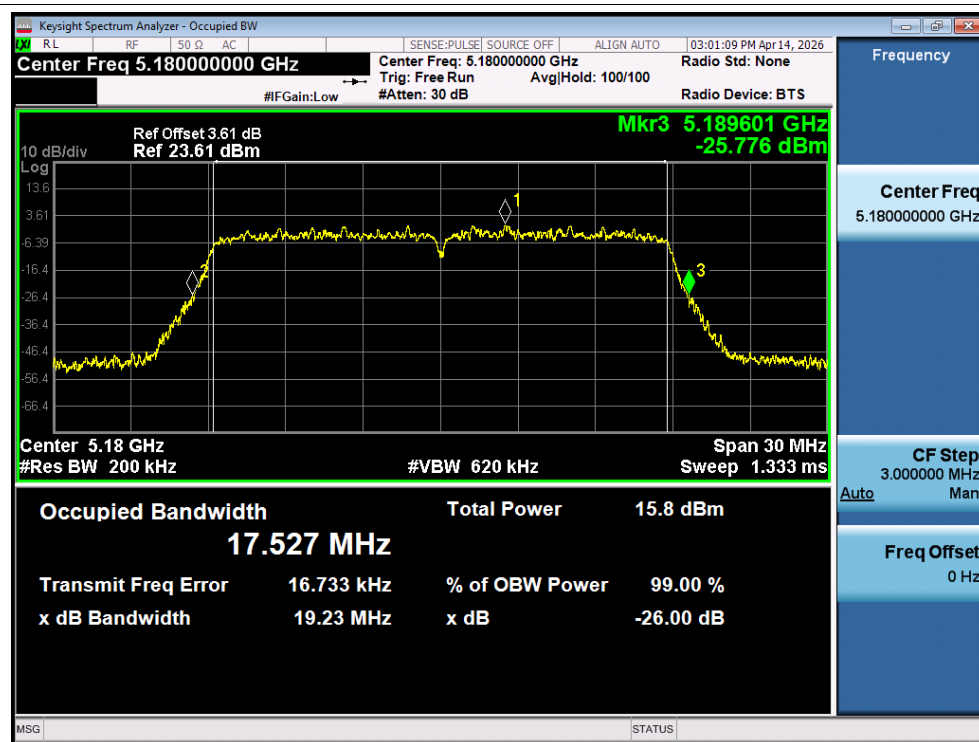
-26dB Bandwidth NVNT n40 5190MHz AntB



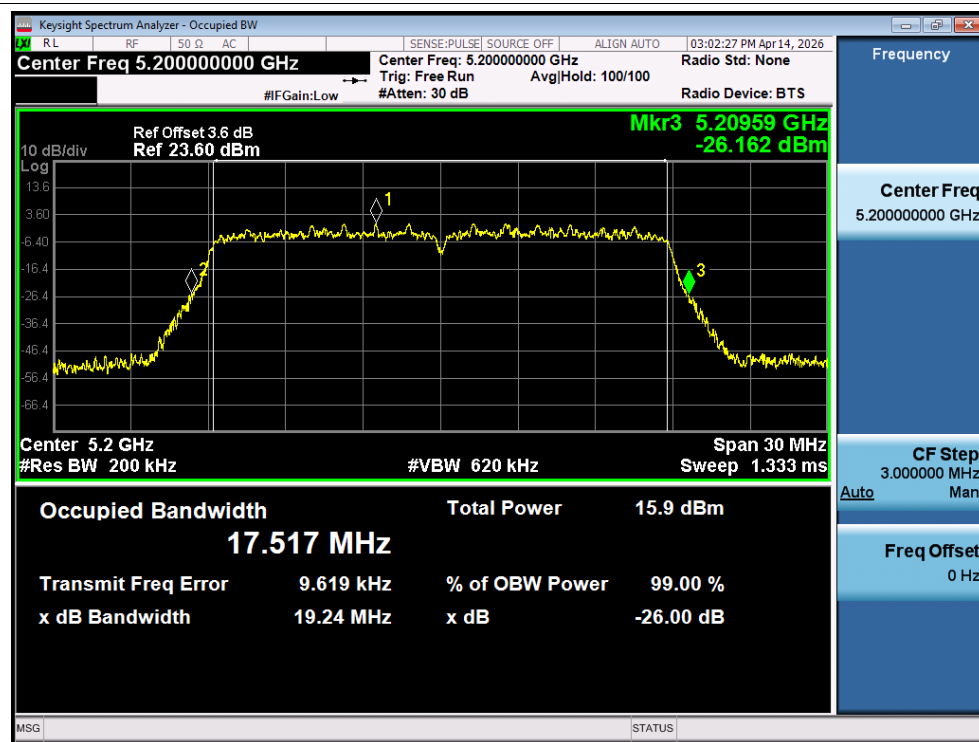
-26dB Bandwidth NVNT n40 5230MHz AntB



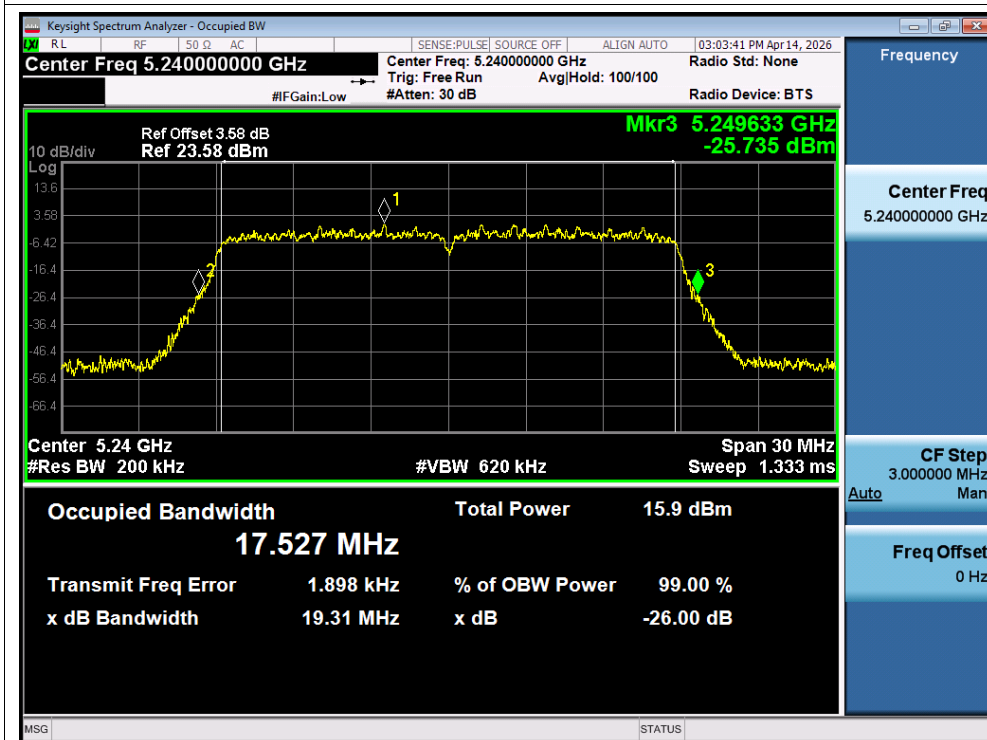
-26dB Bandwidth NVNT ac20 5180MHz AntB



-26dB Bandwidth NVNT ac20 5200MHz AntB



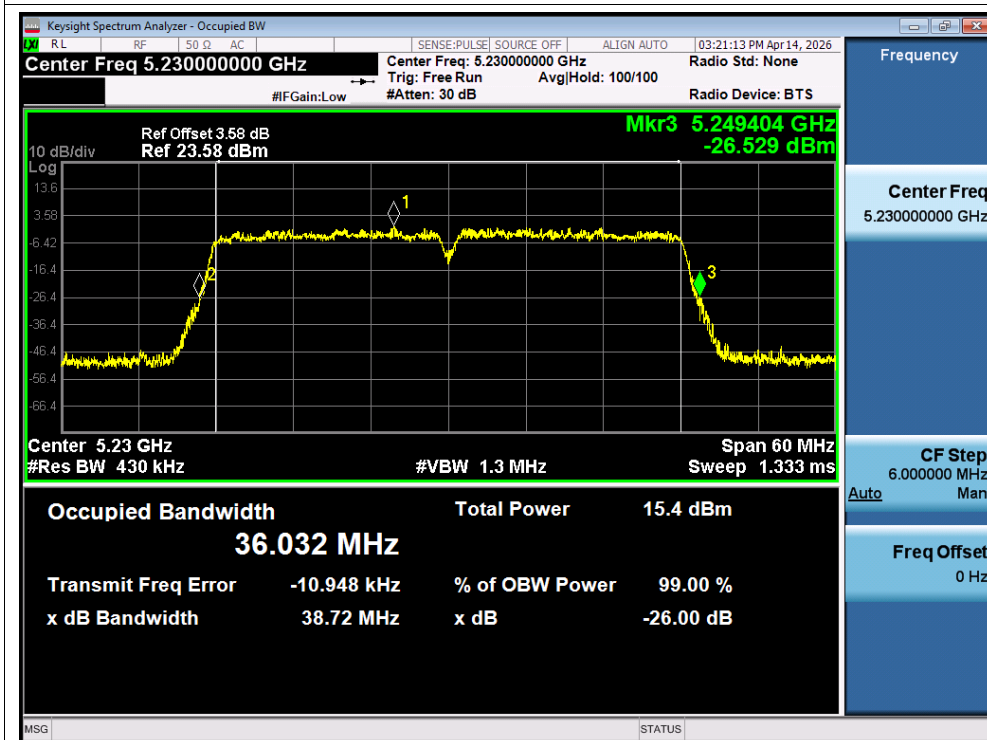
-26dB Bandwidth NVNT ac20 5240MHz AntB



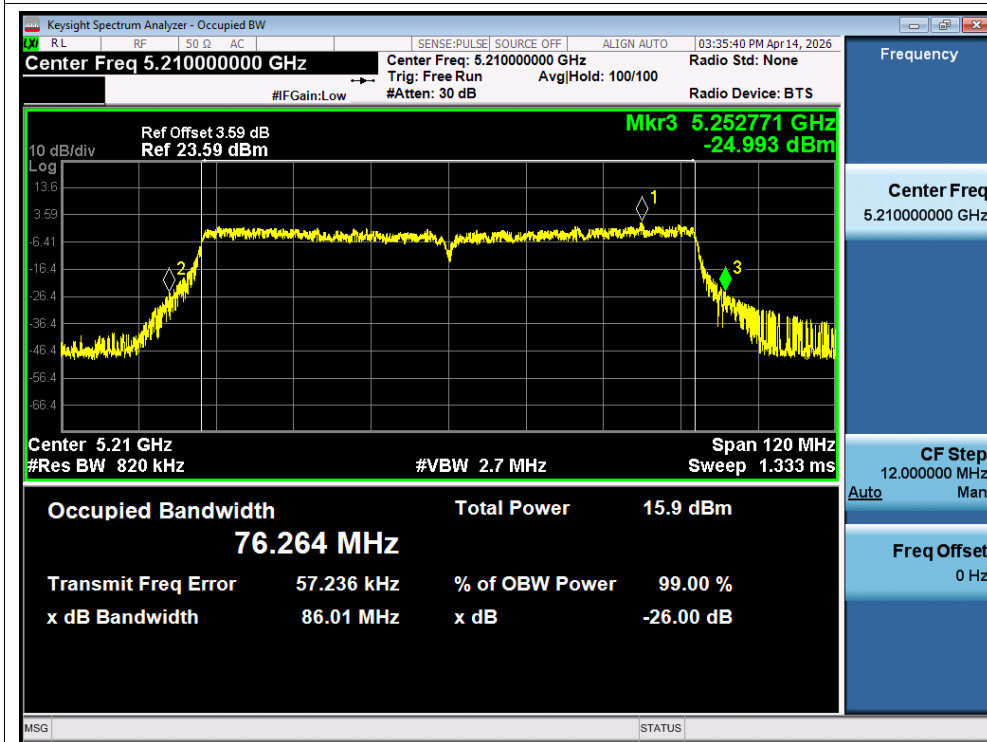
-26dB Bandwidth NVNT ac40 5190MHz AntB



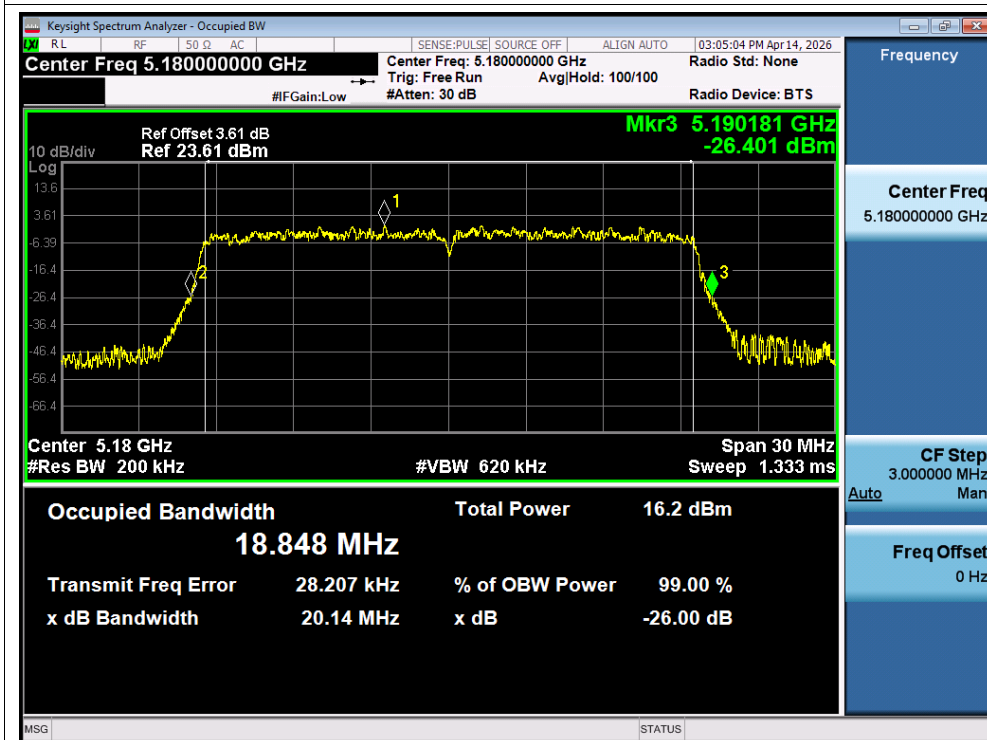
-26dB Bandwidth NVNT ac40 5230MHz AntB



-26dB Bandwidth NVNT ac80 5210MHz AntB



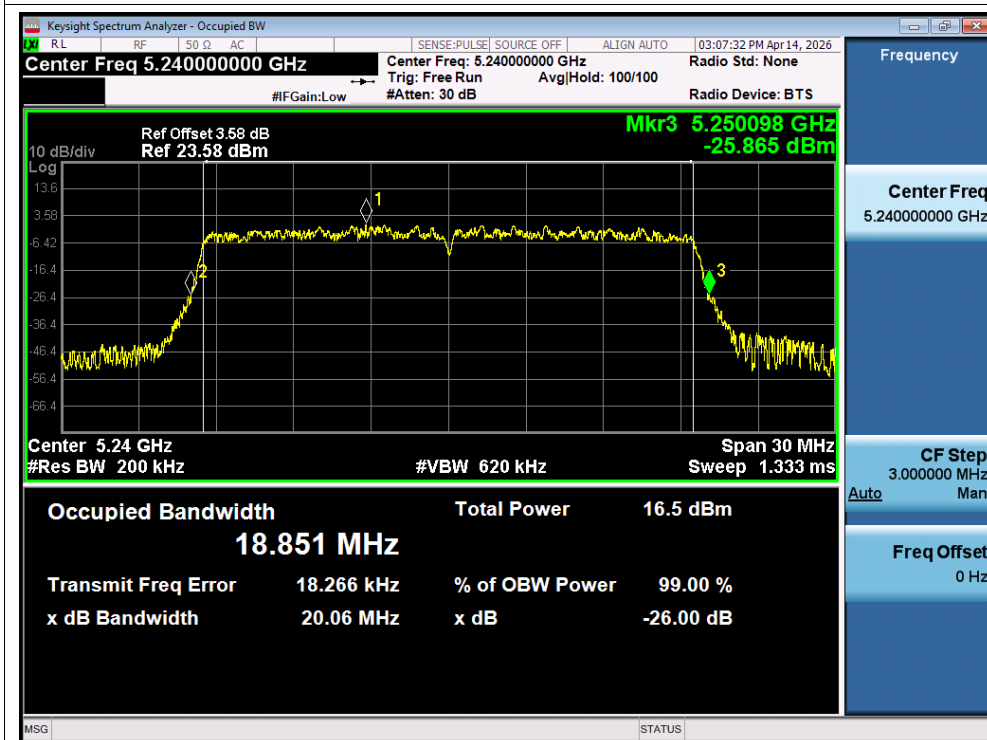
-26dB Bandwidth NVNT ax20 5180MHz AntB



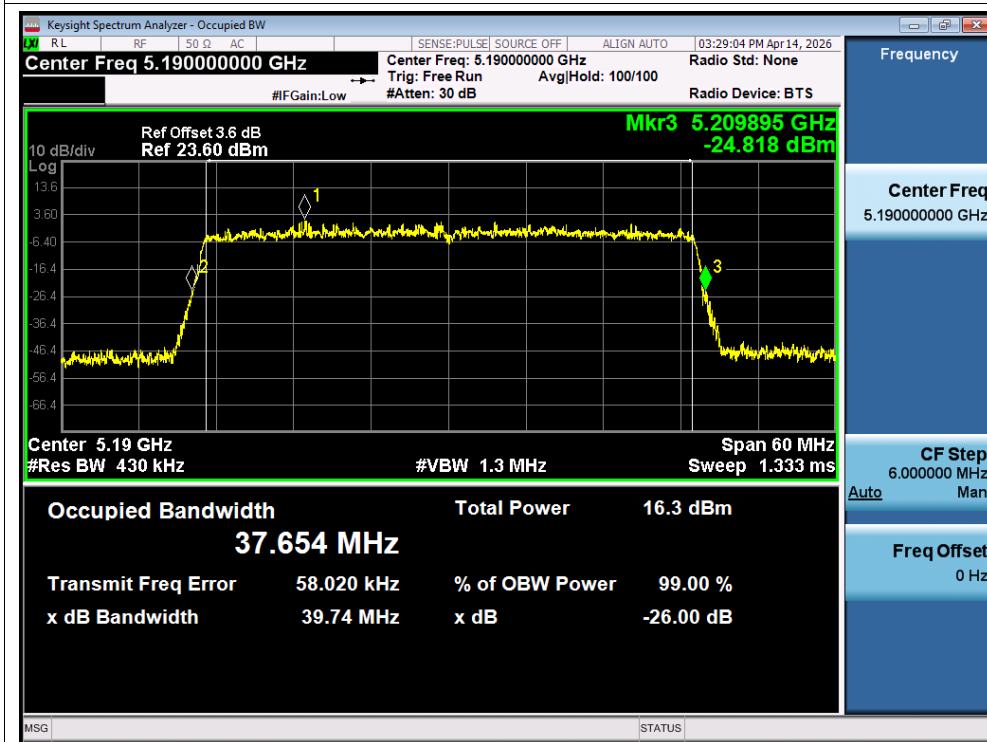
-26dB Bandwidth NVNT ax20 5200MHz AntB



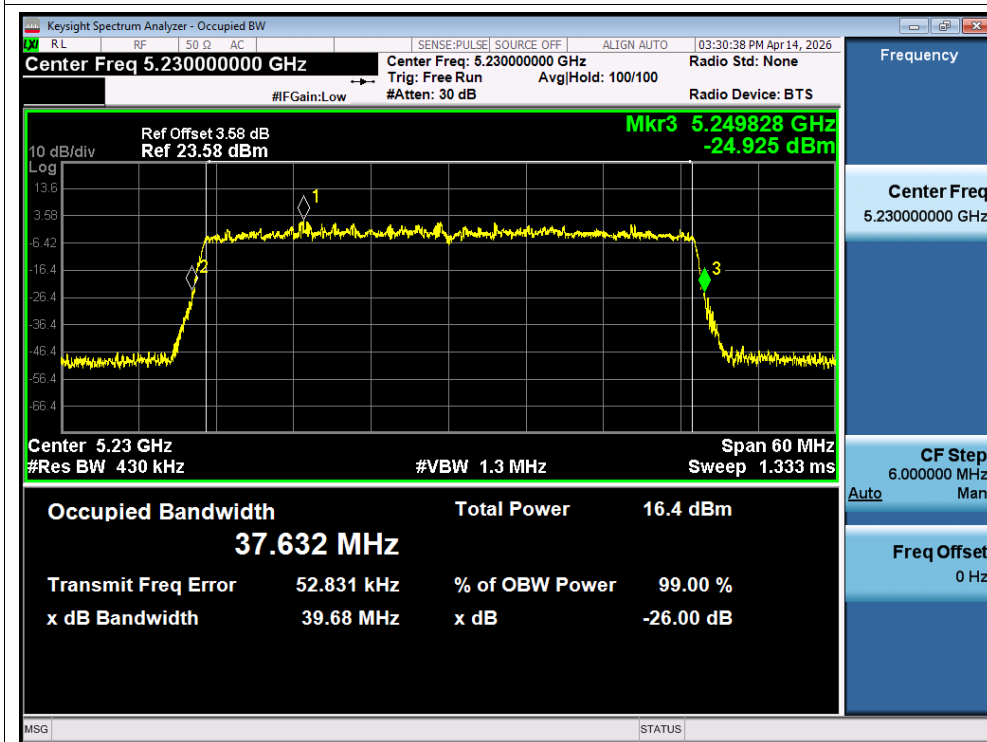
-26dB Bandwidth NVNT ax20 5240MHz AntB



-26dB Bandwidth NVNT ax40 5190MHz AntB



-26dB Bandwidth NVNT ax40 5230MHz AntB



-26dB Bandwidth NVNT ax80 5210MHz AntB

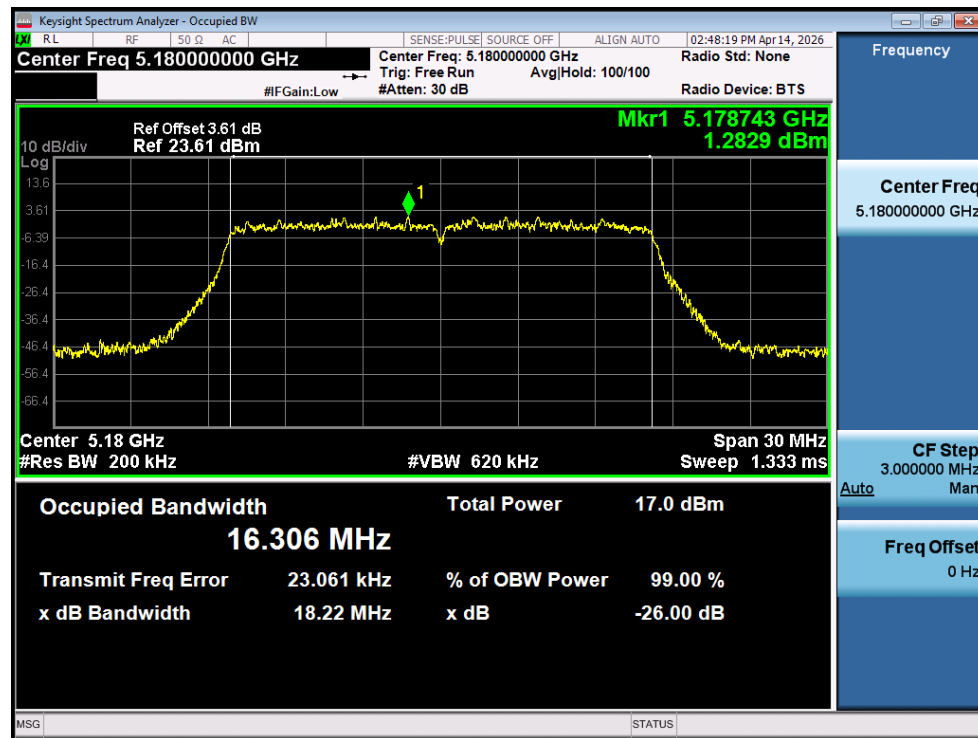


Occupied Channel Bandwidth

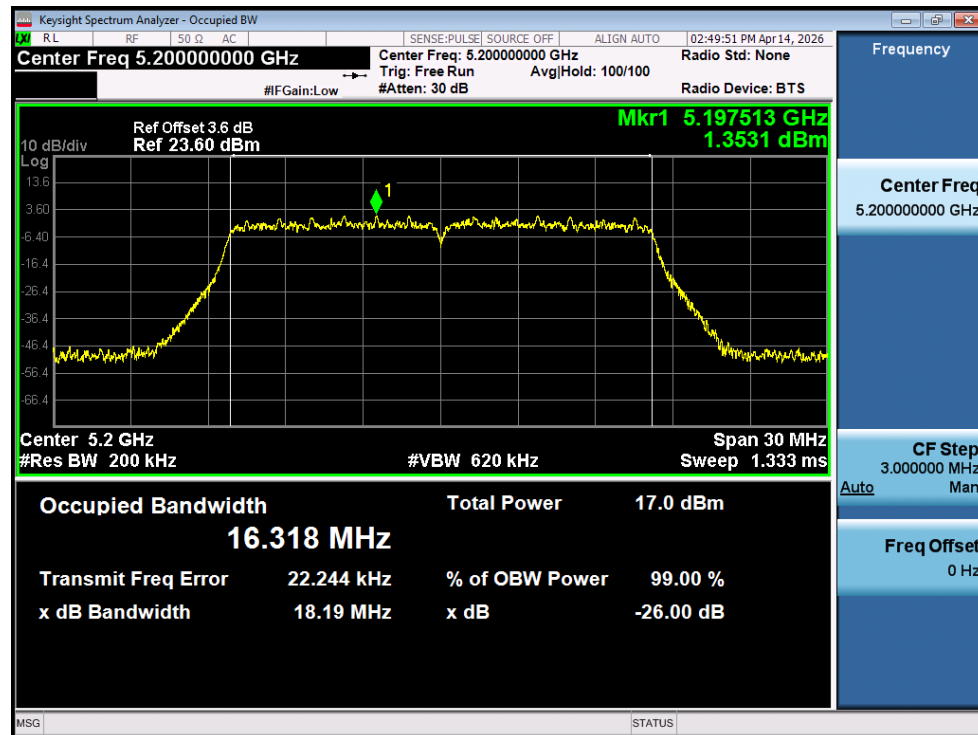
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	AntB	16.306
		5200		16.318
		5240		16.308
	n20	5180		17.494
		5200		17.499
		5240		17.5
	n40	5190		36.163
		5230		36.155
	ac20	5180		17.522
		5200		17.515
		5240		17.519
	ac40	5190		36.016
		5230		36.011
	ac80	5210		76.265
	ax20	5180		18.832
		5200		18.84
		5240		18.831
	ax40	5190		37.621
		5230		37.64
	ax80	5210		77.265

Test Graphs

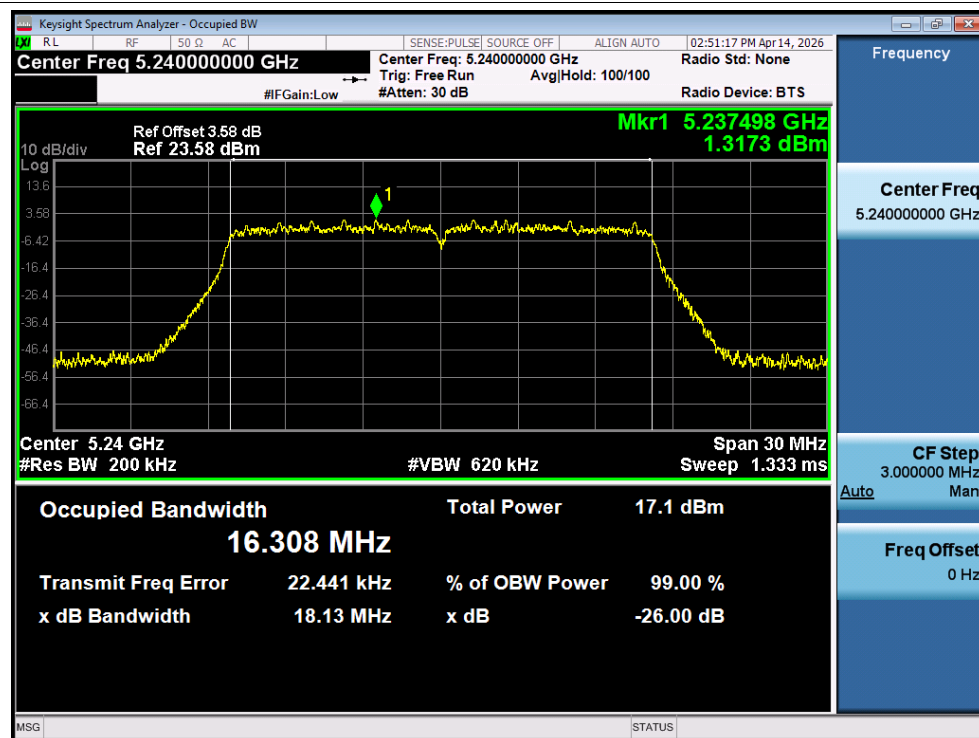
OBW NVNT a 5180MHz AntB



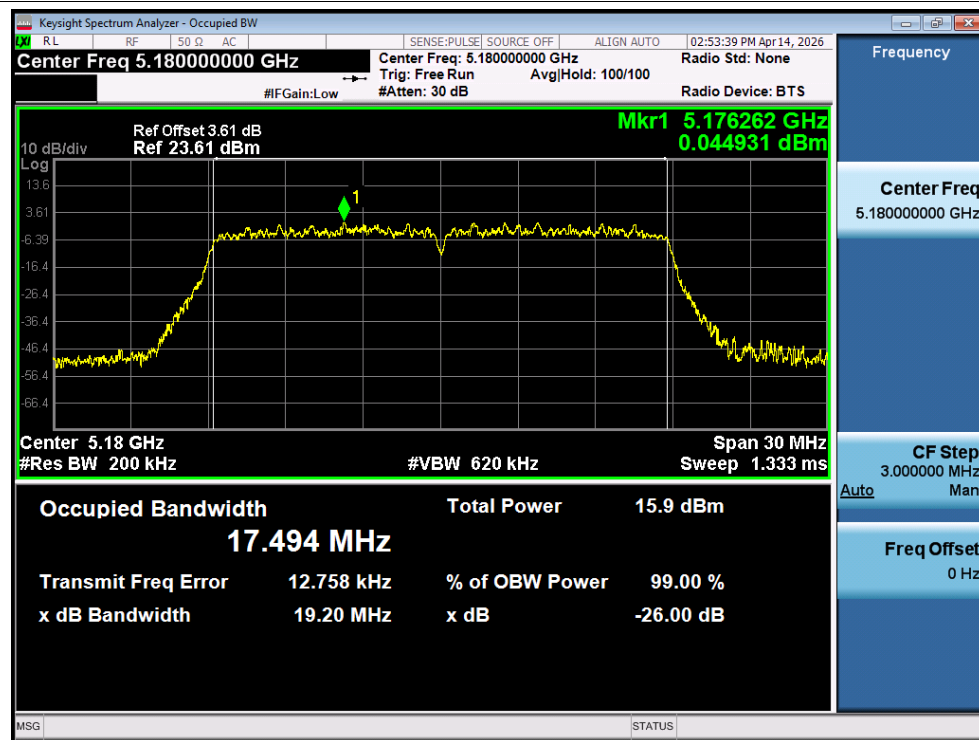
OBW NVNT a 5200MHz AntB



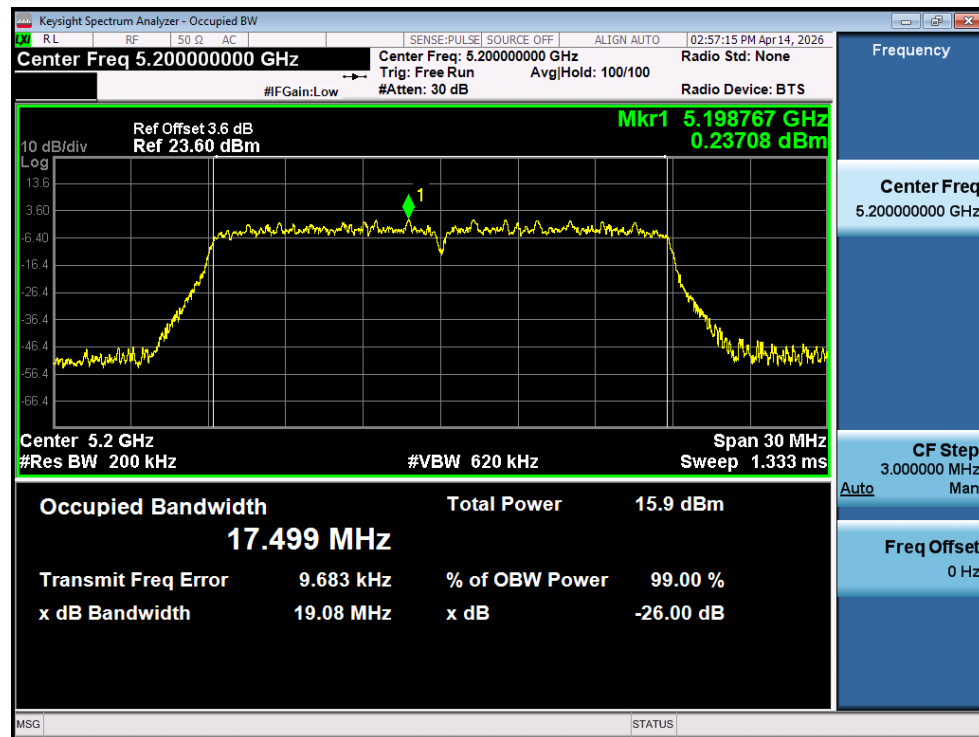
OBW NVNT a 5240MHz AntB



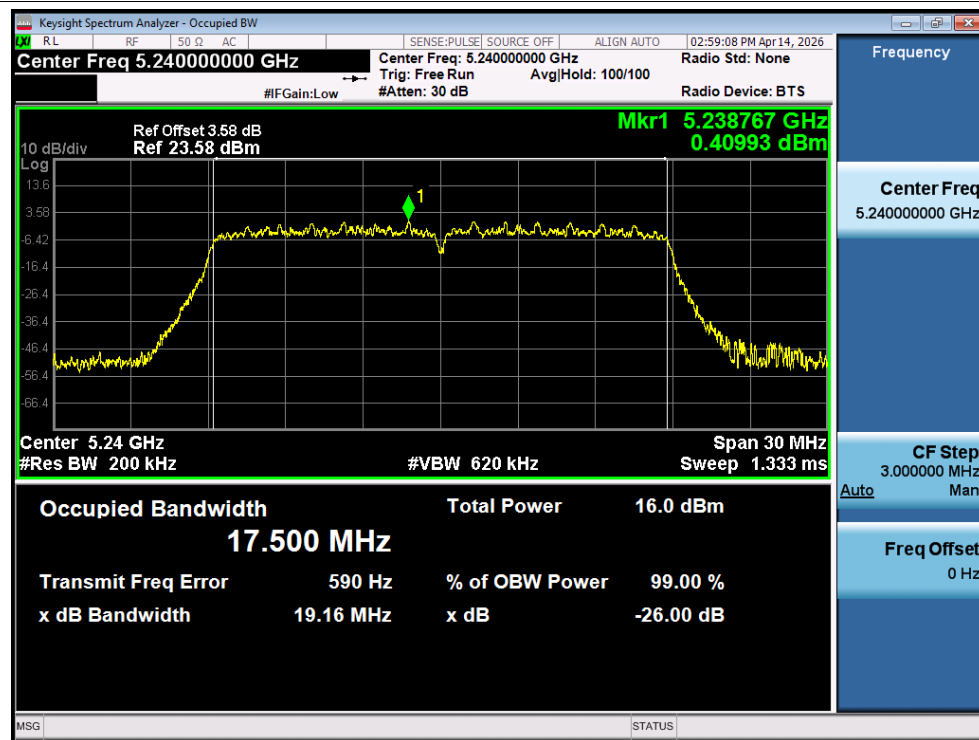
OBW NVNT n20 5180MHz AntB



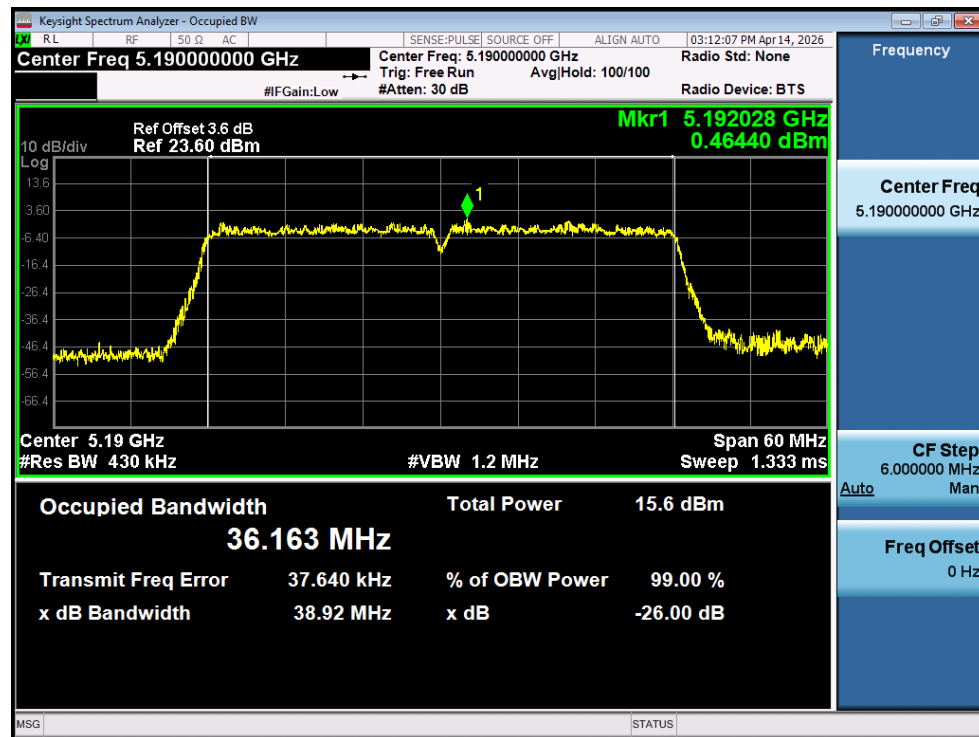
OBW NVNT n20 5200MHz AntB



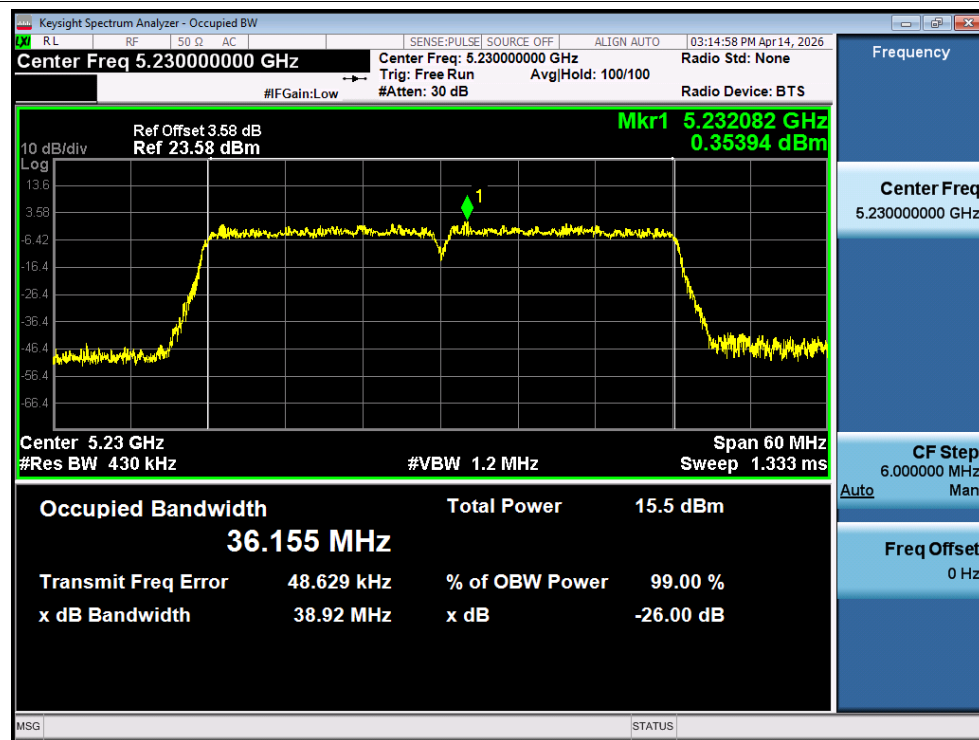
OBW NVNT n20 5240MHz AntB



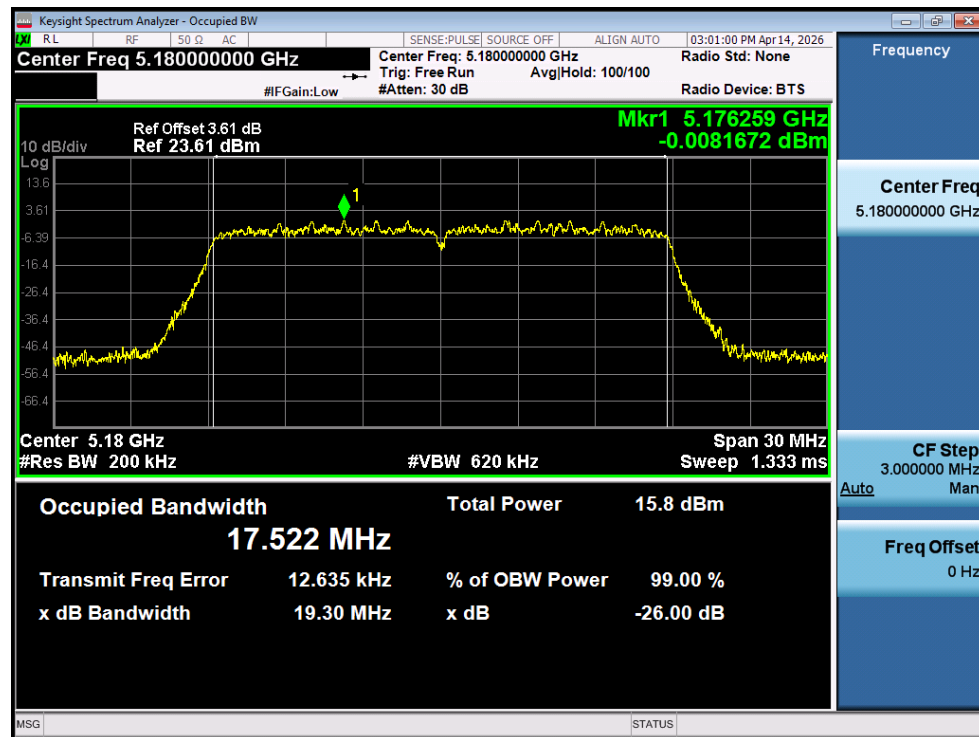
OBW NVNT n40 5190MHz AntB



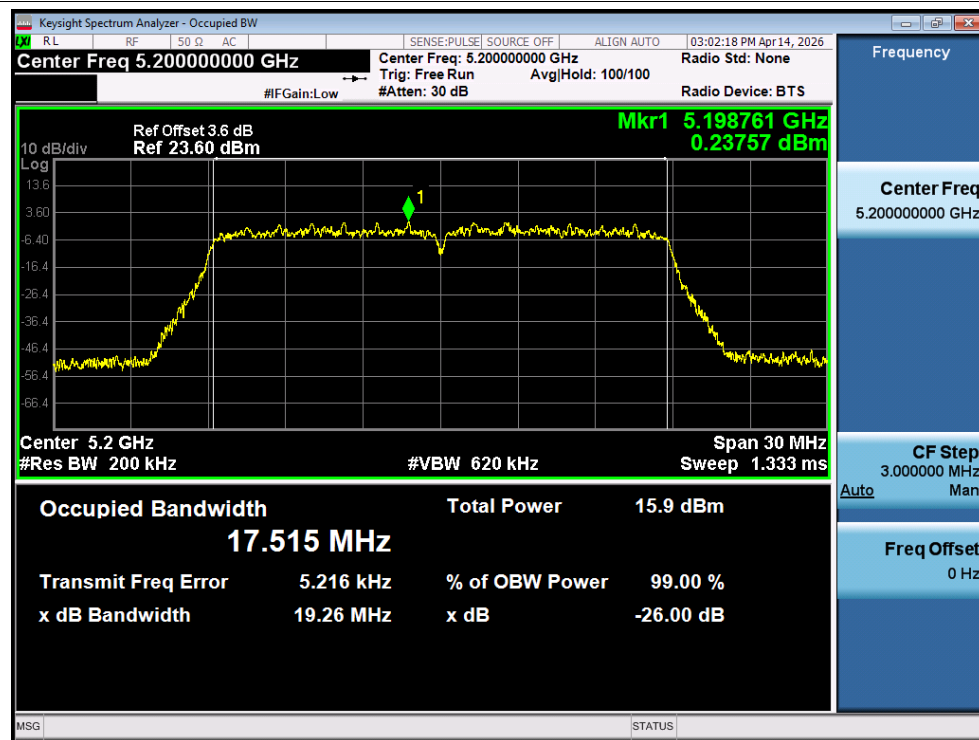
OBW NVNT n40 5230MHz AntB



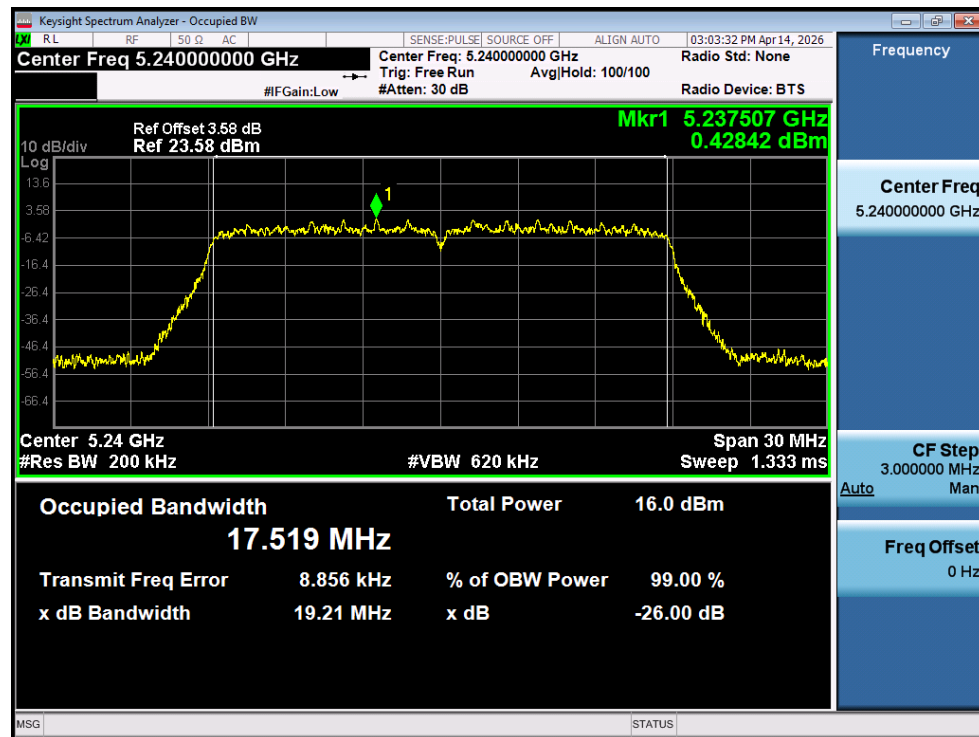
OBW NVNT ac20 5180MHz AntB



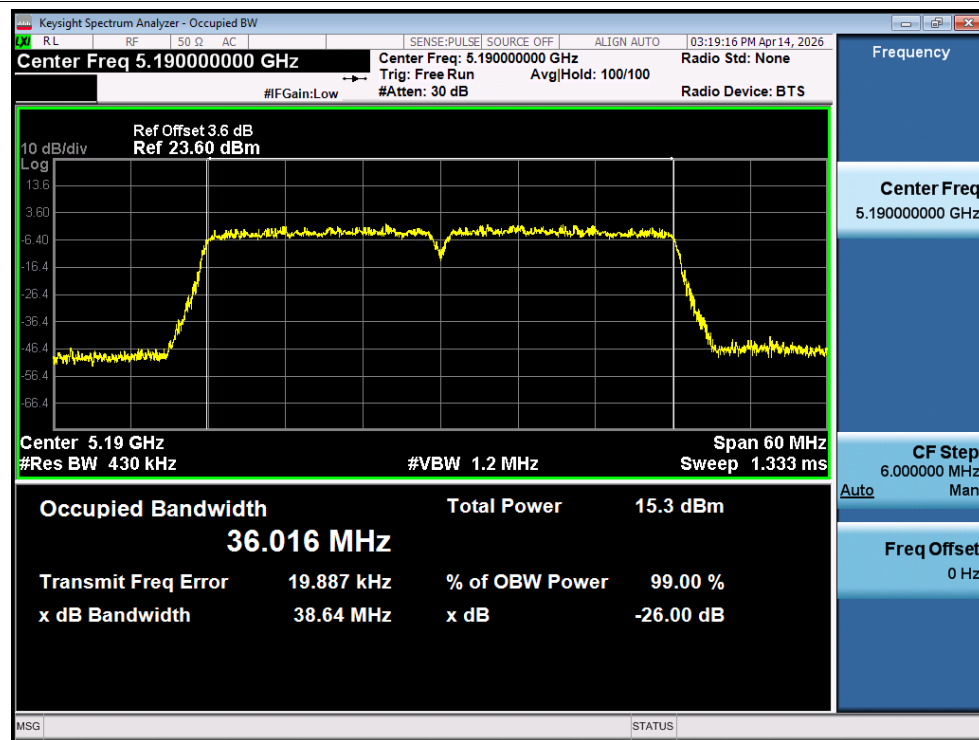
OBW NVNT ac20 5200MHz AntB



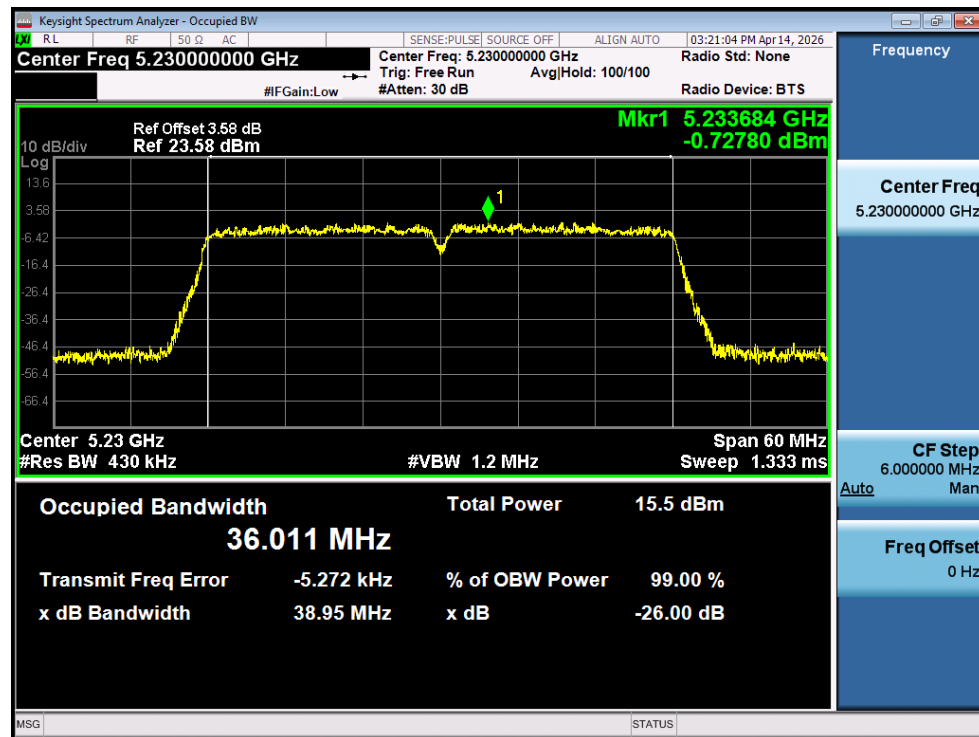
OBW NVNT ac20 5240MHz AntB



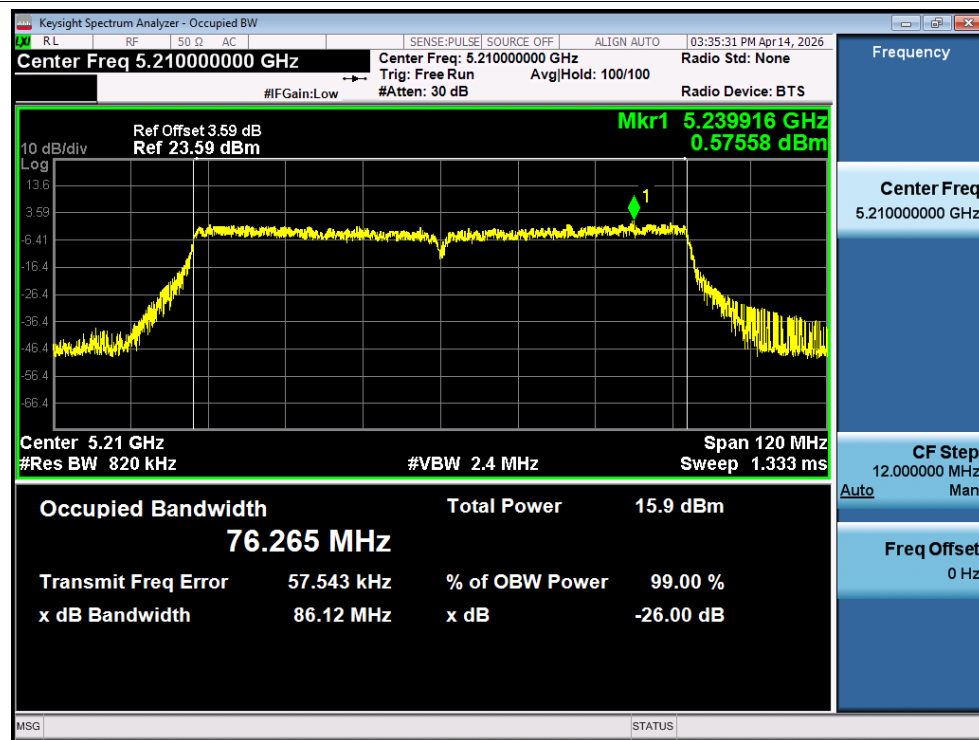
OBW NVNT ac40 5190MHz AntB



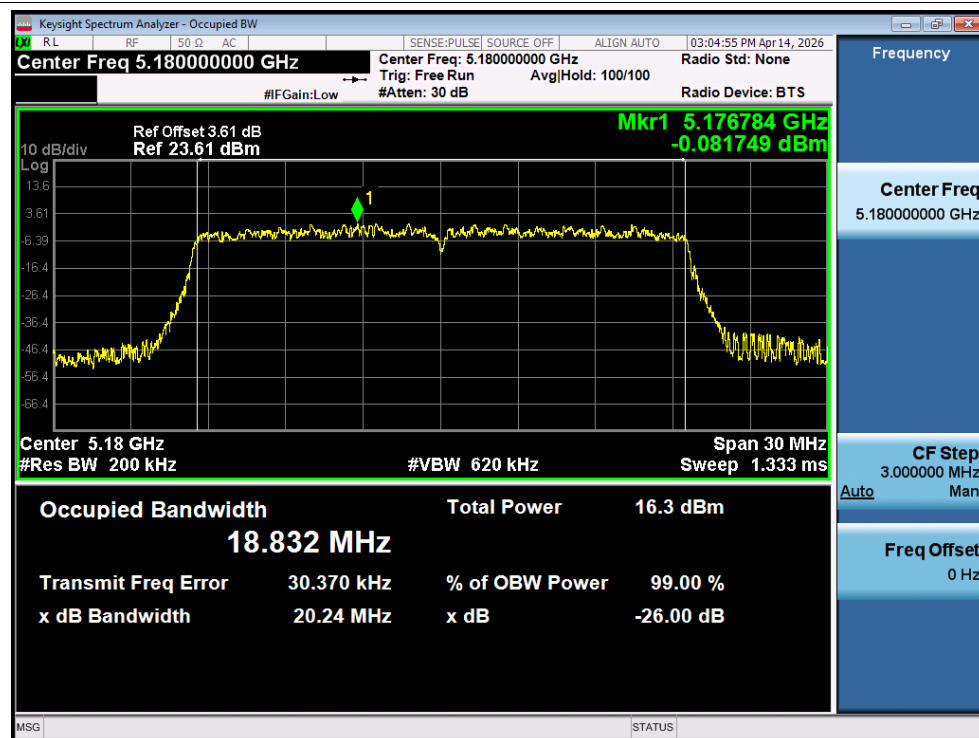
OBW NVNT ac40 5230MHz AntB



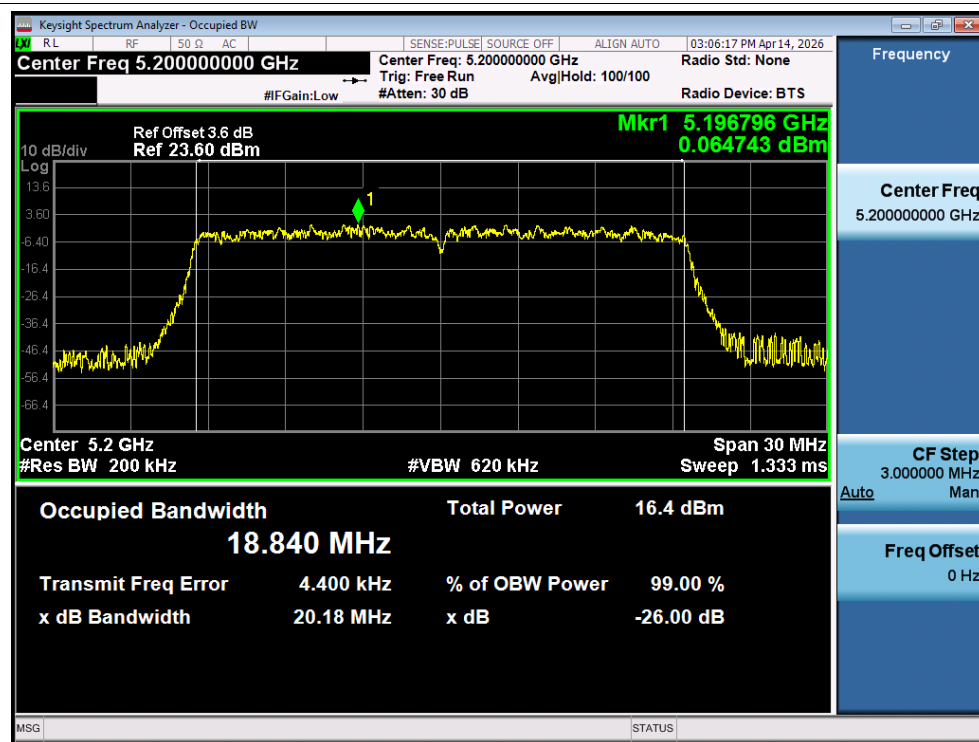
OBW NVNT ac80 5210MHz AntB



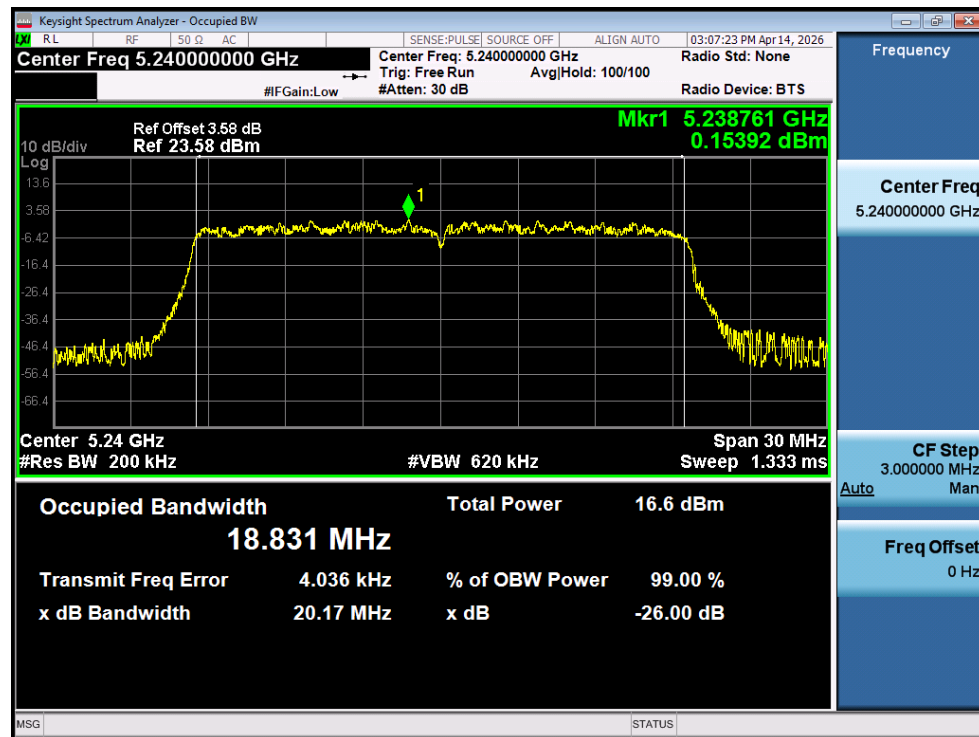
OBW NVNT ax20 5180MHz AntB



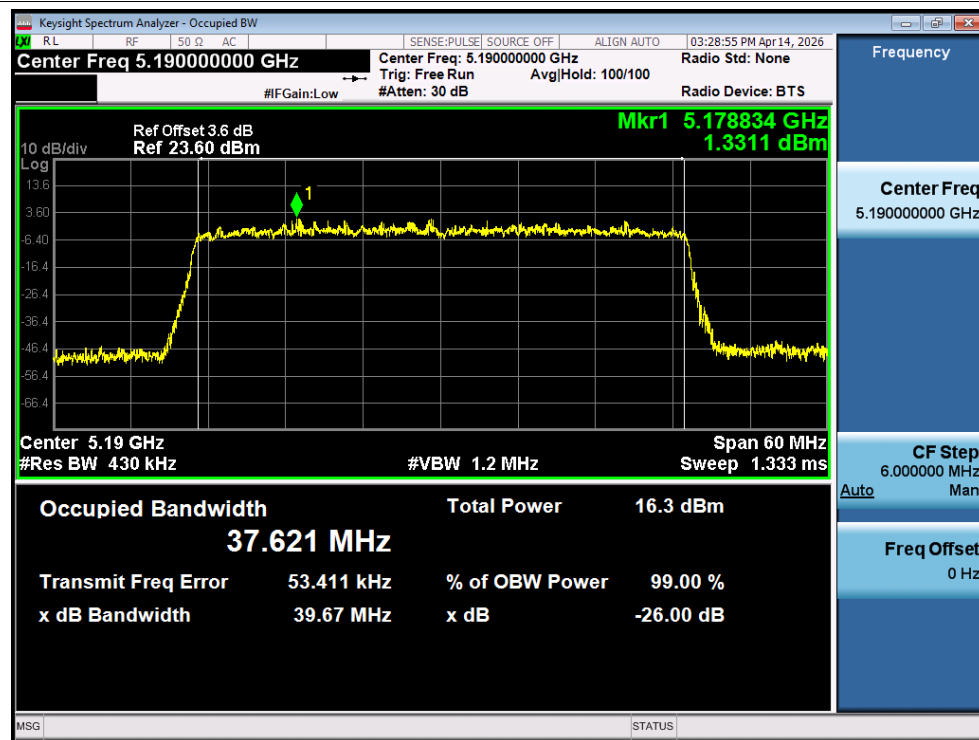
OBW NVNT ax20 5200MHz AntB



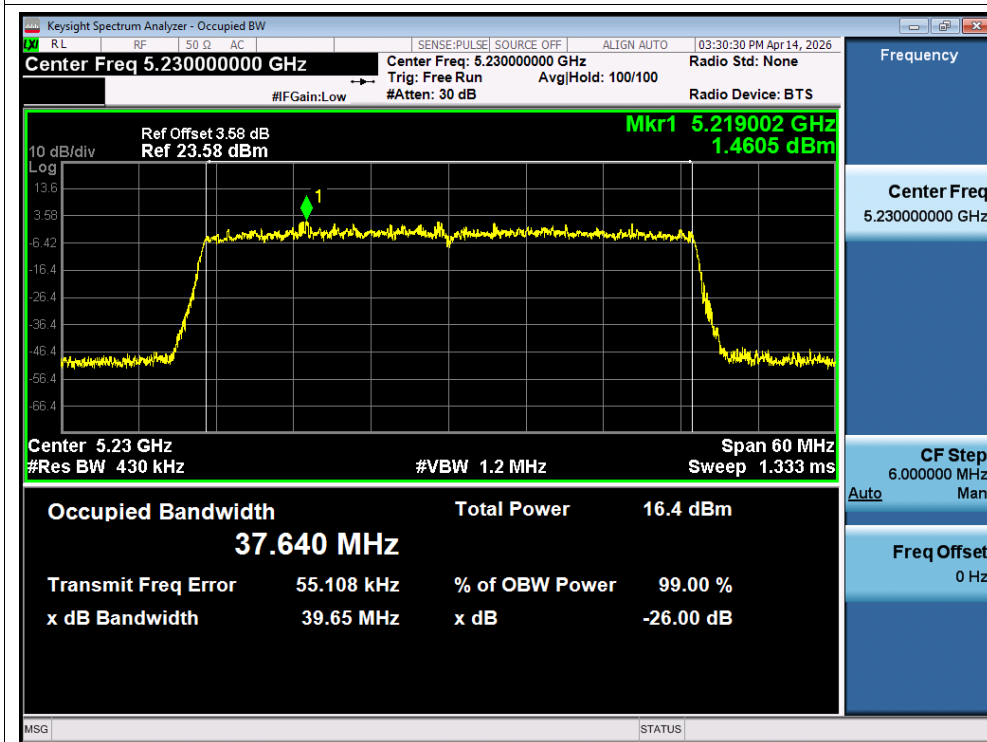
OBW NVNT ax20 5240MHz AntB



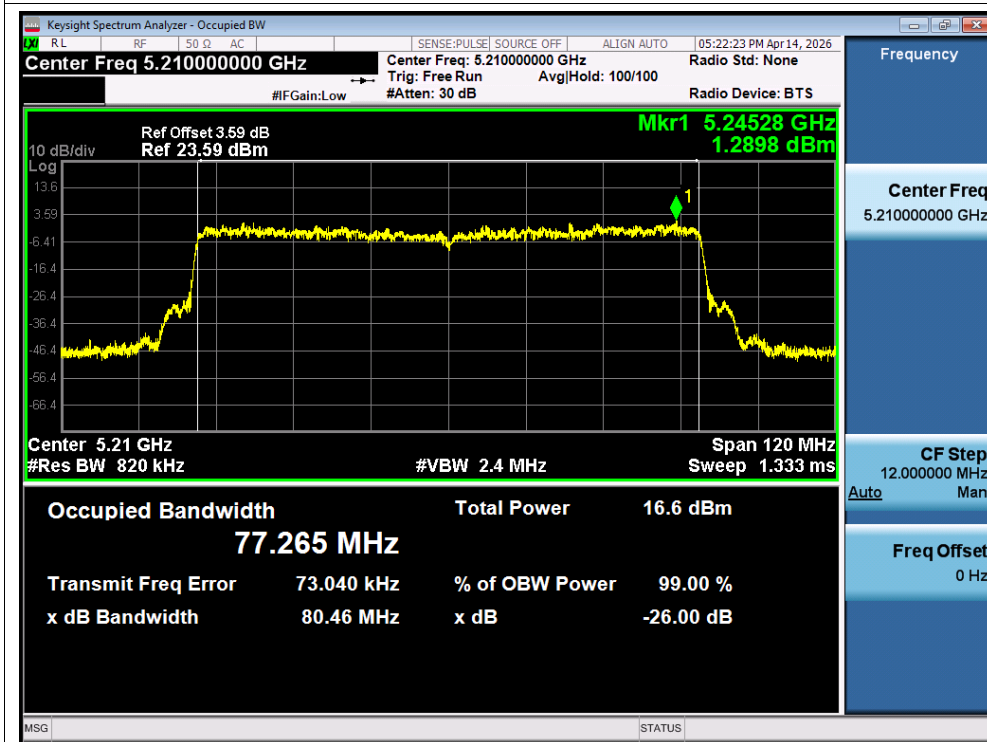
OBW NVNT ax40 5190MHz AntB



OBW NVNT ax40 5230MHz AntB



OBW NVNT ax80 5210MHz AntB



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntB	0.25	1.12	1.37	11	Pass
NVNT	a	5200	AntB	0.39	1.12	1.51	11	Pass
NVNT	a	5240	AntB	0.42	1.12	1.54	11	Pass
NVNT	n20	5180	AntB	-1.35	1.25	-0.10	11	Pass
NVNT	n20	5200	AntB	-1.1	1.25	0.15	11	Pass
NVNT	n20	5240	AntB	-0.77	1.25	0.48	11	Pass
NVNT	n40	5190	AntB	-5.31	1.36	-3.95	11	Pass
NVNT	n40	5230	AntB	-5.18	1.36	-3.82	11	Pass
NVNT	ac20	5180	AntB	-0.68	1.25	0.57	11	Pass
NVNT	ac20	5200	AntB	-1.08	1.25	0.17	11	Pass
NVNT	ac20	5240	AntB	-1.13	1.25	0.12	11	Pass
NVNT	ac40	5190	AntB	-5.06	2.01	-3.05	11	Pass
NVNT	ac40	5230	AntB	-5.03	2.01	-3.02	11	Pass
NVNT	ac80	5210	AntB	-8.49	3.47	-5.02	11	Pass
NVNT	ax20	5180	AntB	-1.68	1.33	-0.35	11	Pass
NVNT	ax20	5200	AntB	-1.49	1.33	-0.16	11	Pass
NVNT	ax20	5240	AntB	-1.32	1.33	0.01	11	Pass
NVNT	ax40	5190	AntB	-5.25	2.01	-3.24	11	Pass
NVNT	ax40	5230	AntB	-5.23	2.01	-3.22	11	Pass
NVNT	ax80	5210	AntB	-7.89	2.63	-5.26	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant A	Ant B	Total		
NVNT	a	5180	0.22	1.37	/	17	Pass
NVNT	a	5200	0.62	1.51	/	17	Pass
NVNT	a	5240	0.58	1.54	/	17	Pass
NVNT	n20	5180	-0.90	-0.10	2.53	17	Pass
NVNT	n20	5200	-0.74	0.15	2.74	17	Pass
NVNT	n20	5240	-0.84	0.48	2.88	17	Pass
NVNT	n40	5190	-3.60	-3.95	-0.76	17	Pass
NVNT	n40	5230	-3.65	-3.82	-0.72	17	Pass
NVNT	ac20	5180	-0.49	0.57	3.08	17	Pass
NVNT	ac20	5200	-0.79	0.17	2.73	17	Pass
NVNT	ac20	5240	-0.60	0.12	2.79	17	Pass
NVNT	ac40	5190	-3.59	-3.05	-0.30	17	Pass
NVNT	ac40	5230	-3.84	-3.02	-0.40	17	Pass
NVNT	ac80	5210	-5.53	-5.02	-2.26	17	Pass
NVNT	ax20	5180	-0.44	-0.35	2.62	17	Pass
NVNT	ax20	5200	-1.08	-0.16	2.41	17	Pass
NVNT	ax20	5240	-0.71	0.01	2.68	17	Pass
NVNT	ax40	5190	-3.69	-3.24	-0.45	17	Pass
NVNT	ax40	5230	-3.79	-3.22	-0.49	17	Pass
NVNT	ax80	5210	-6.11	-5.26	-2.65	17	Pass

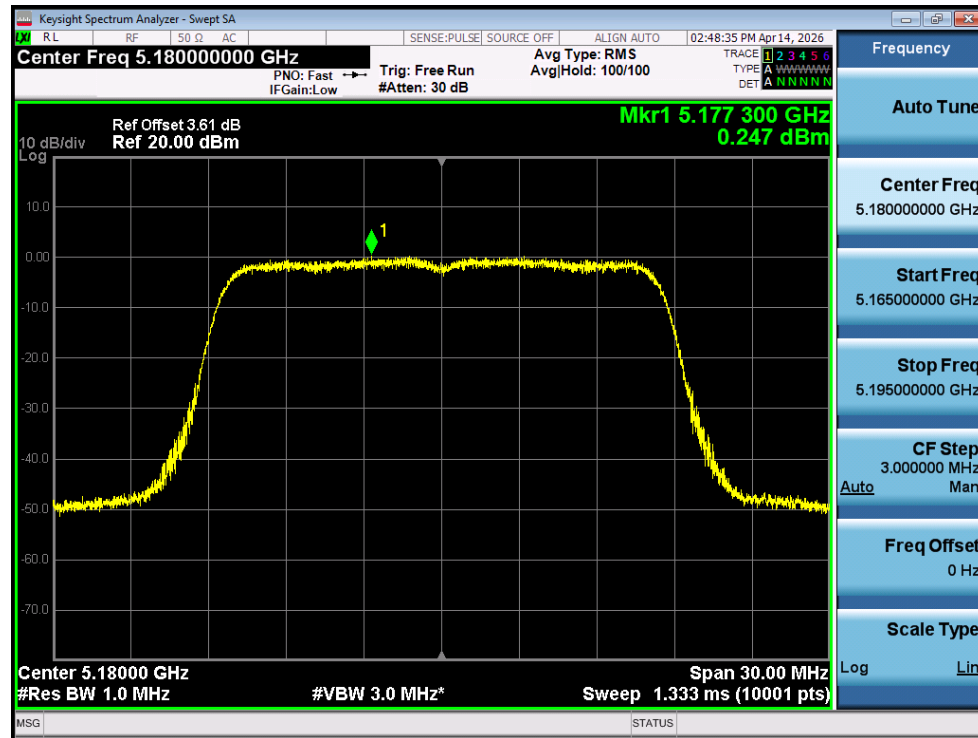
Note:

Antenna A gain: 1.93 dBi, Antenna B gain: 1.93 dBi, Directional gain=[GainANT + 10 log(NANT/NSS) dBi] =3.94 dBi>6dbi

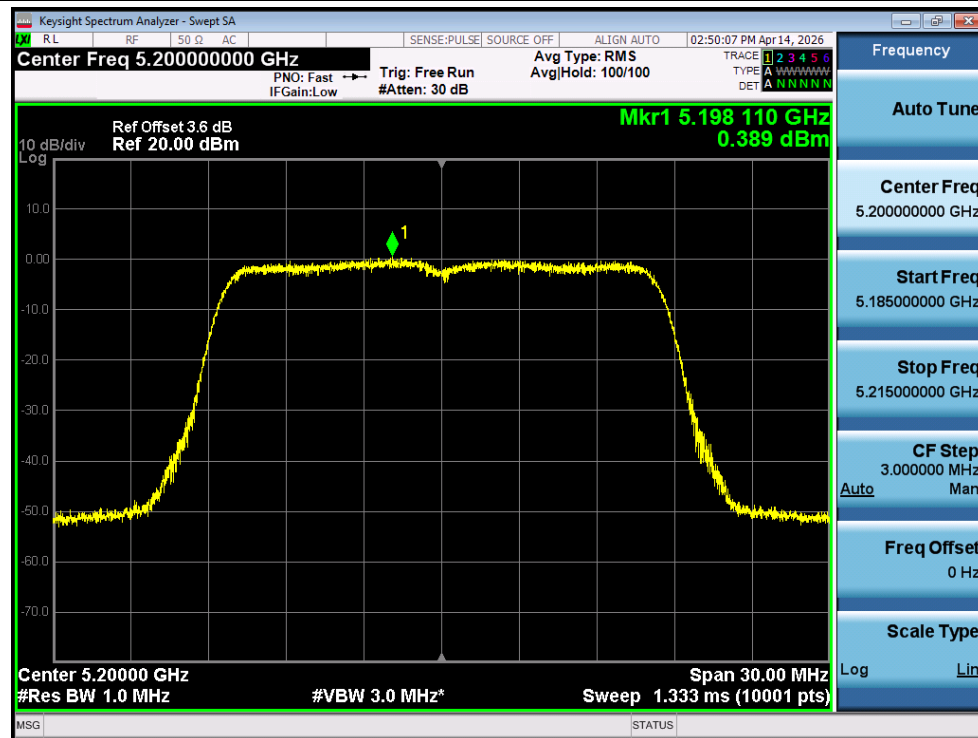
Limit=17 dbi

Test Graphs

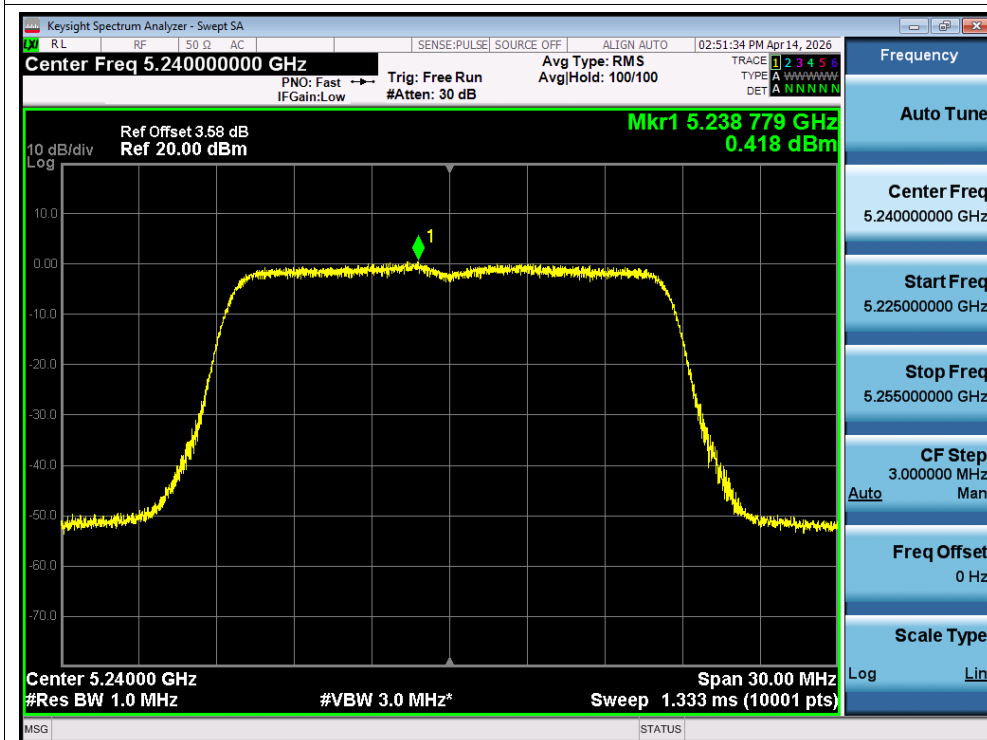
PSD NVNT a 5180MHz AntB



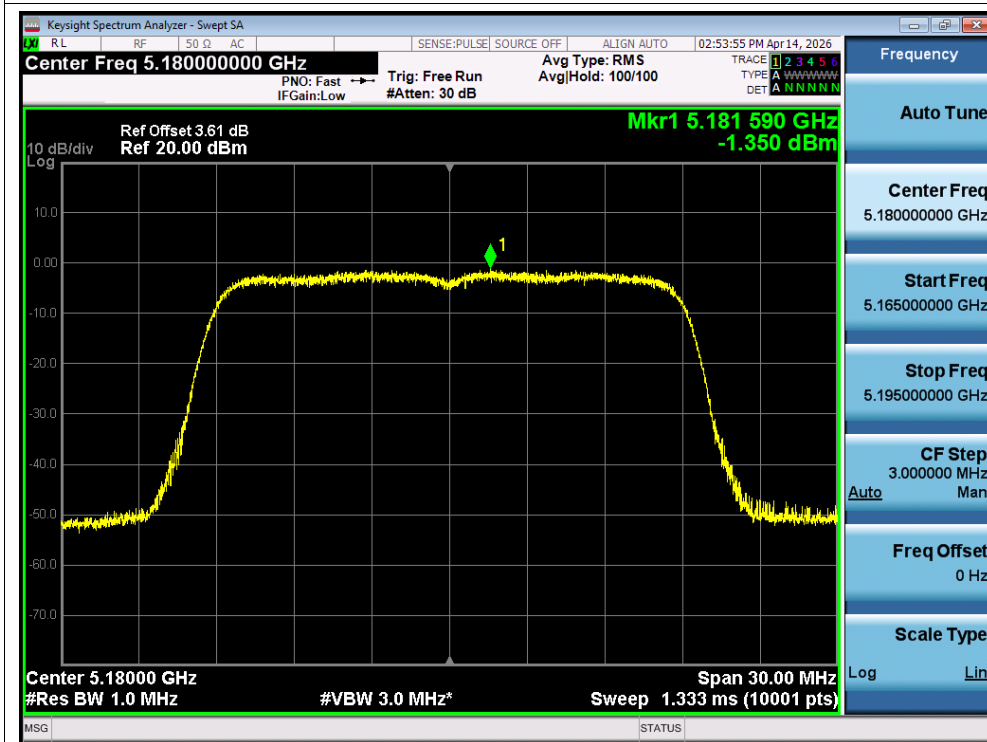
PSD NVNT a 5200MHz AntB

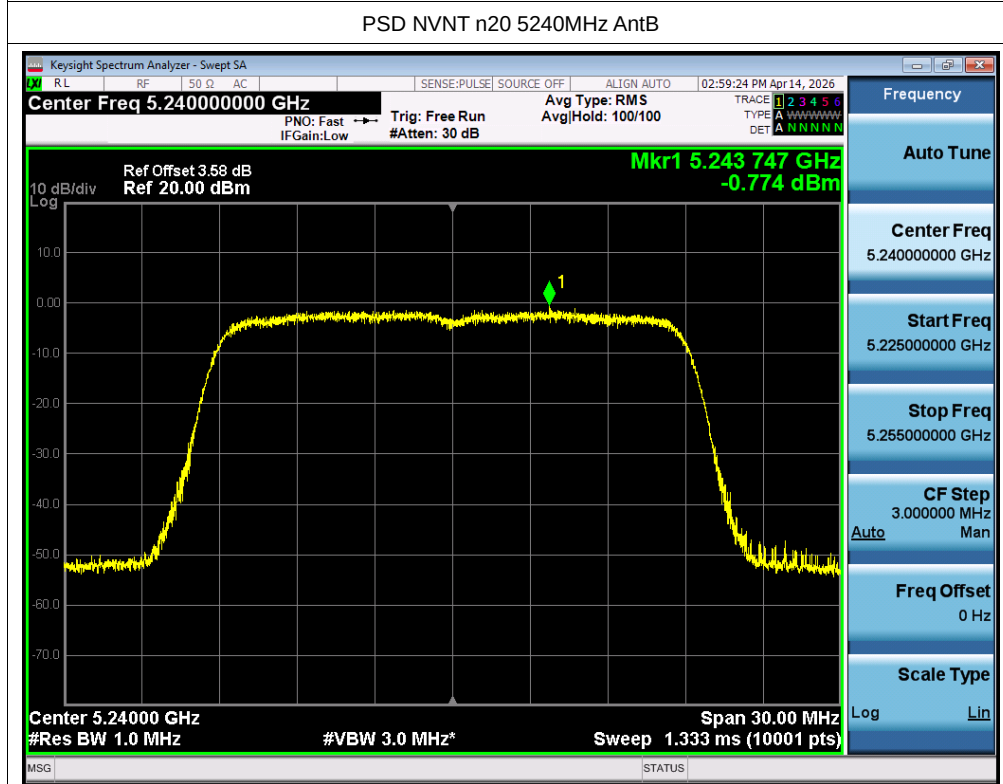
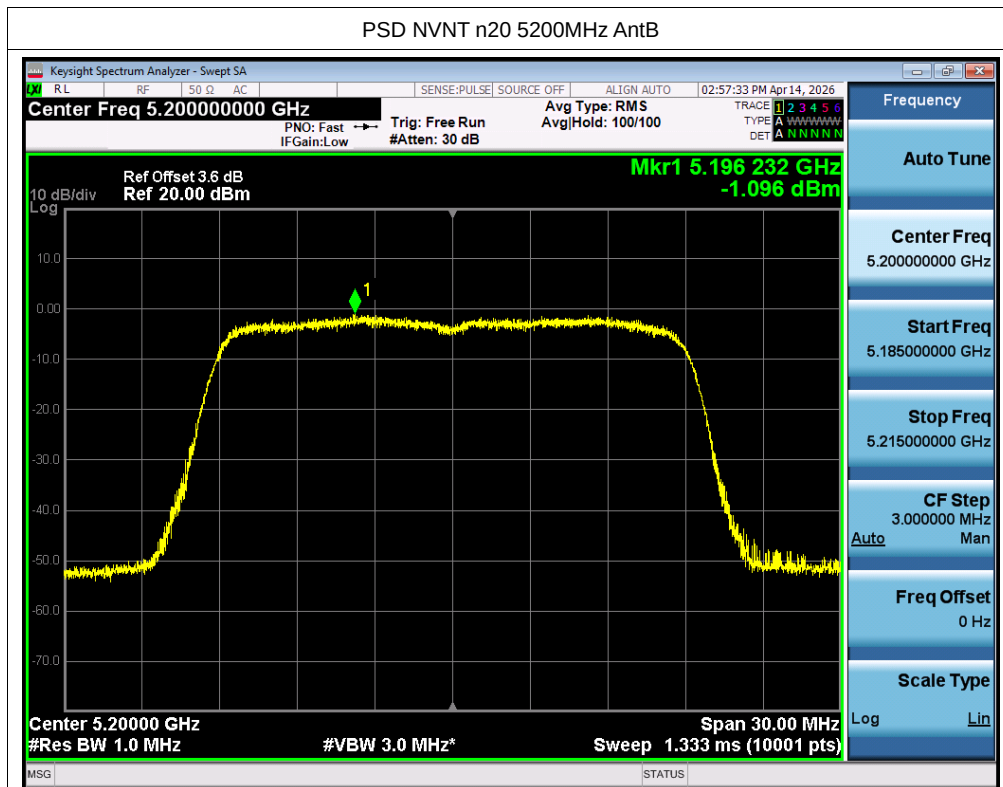


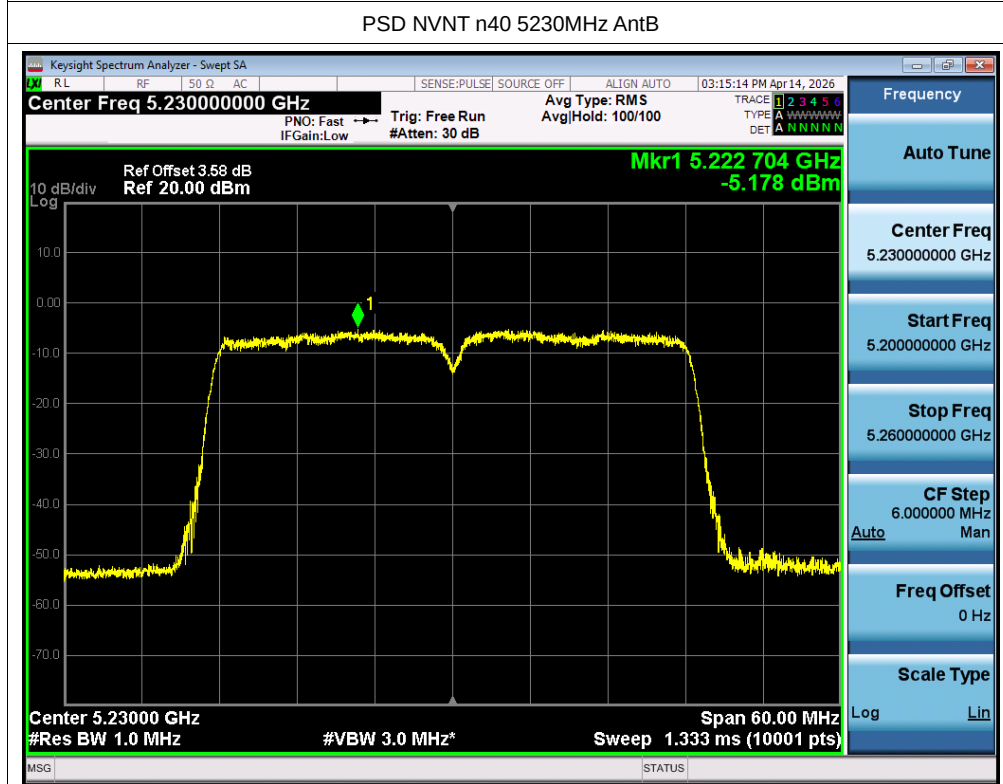
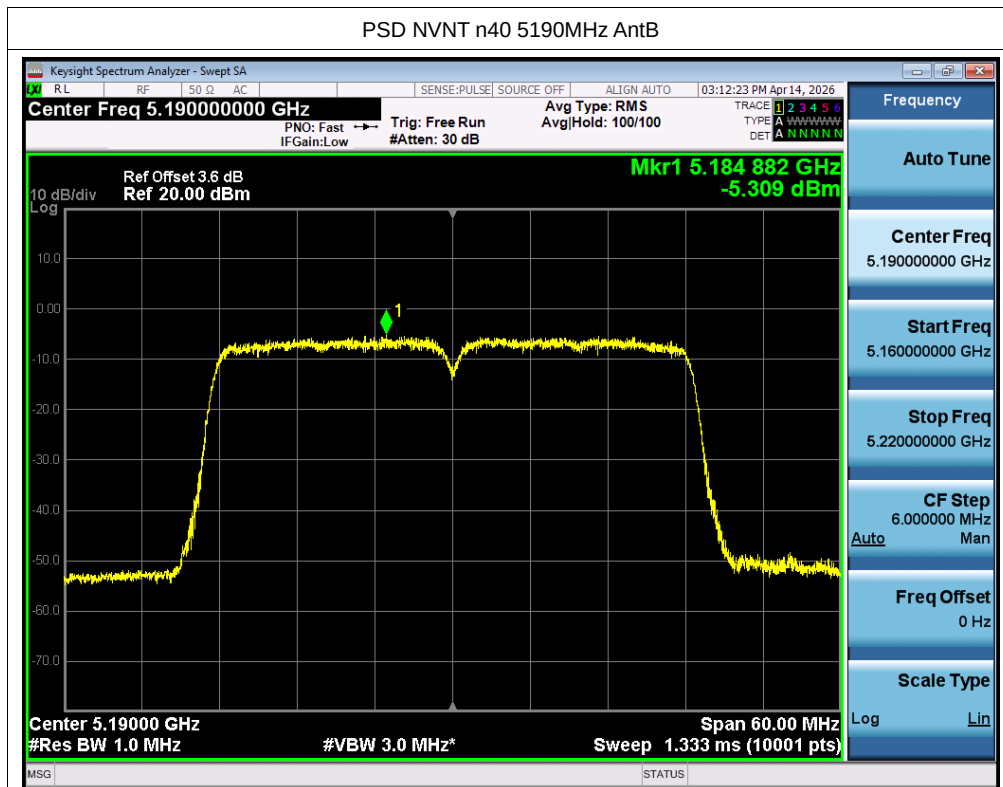
PSD NVNT a 5240MHz AntB

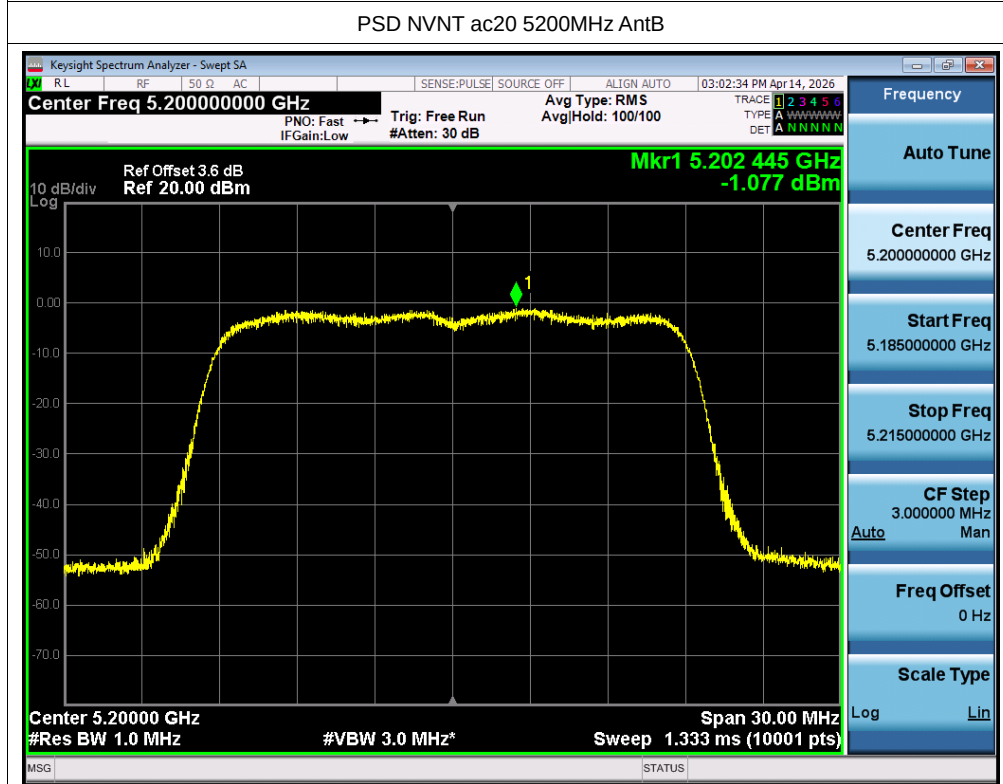
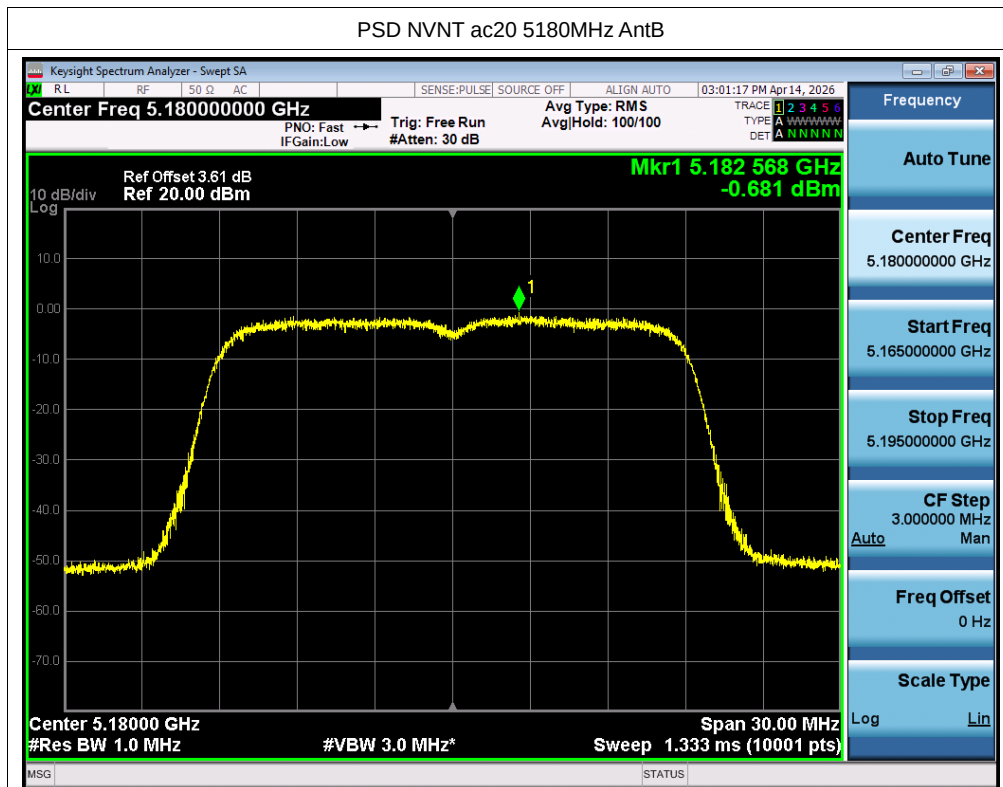


PSD NVNT n20 5180MHz AntB

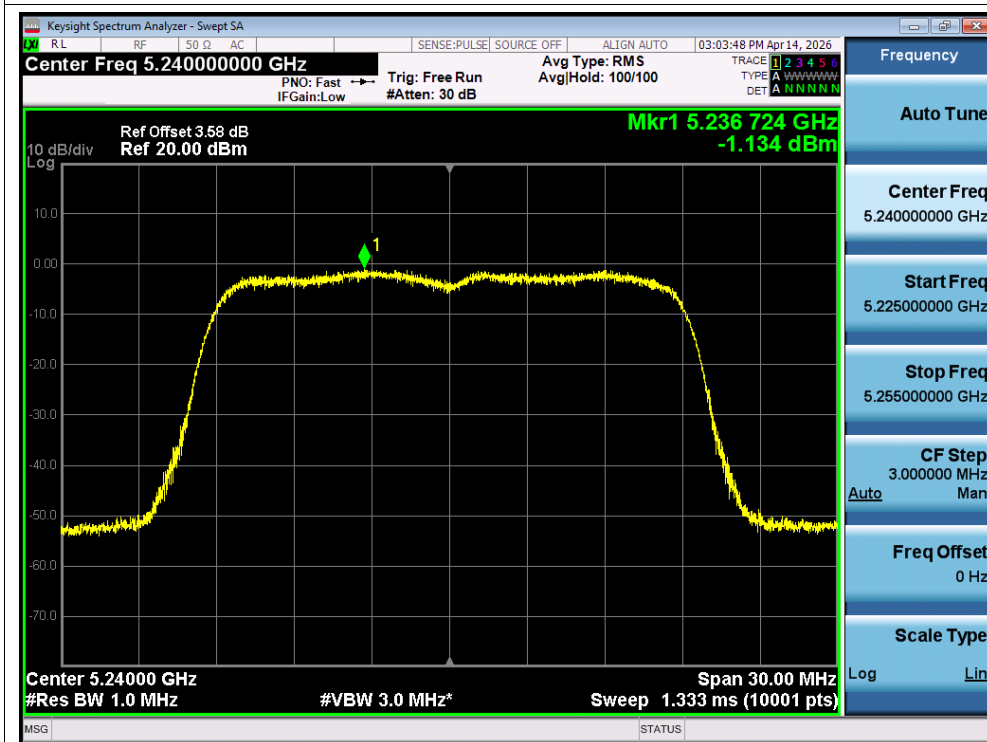




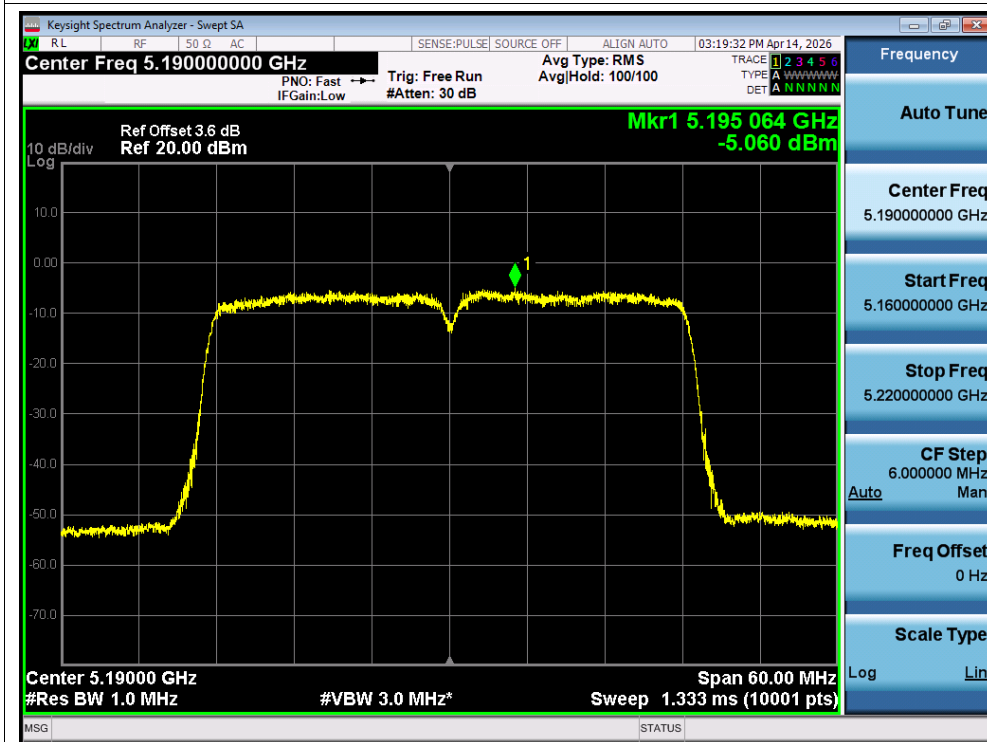




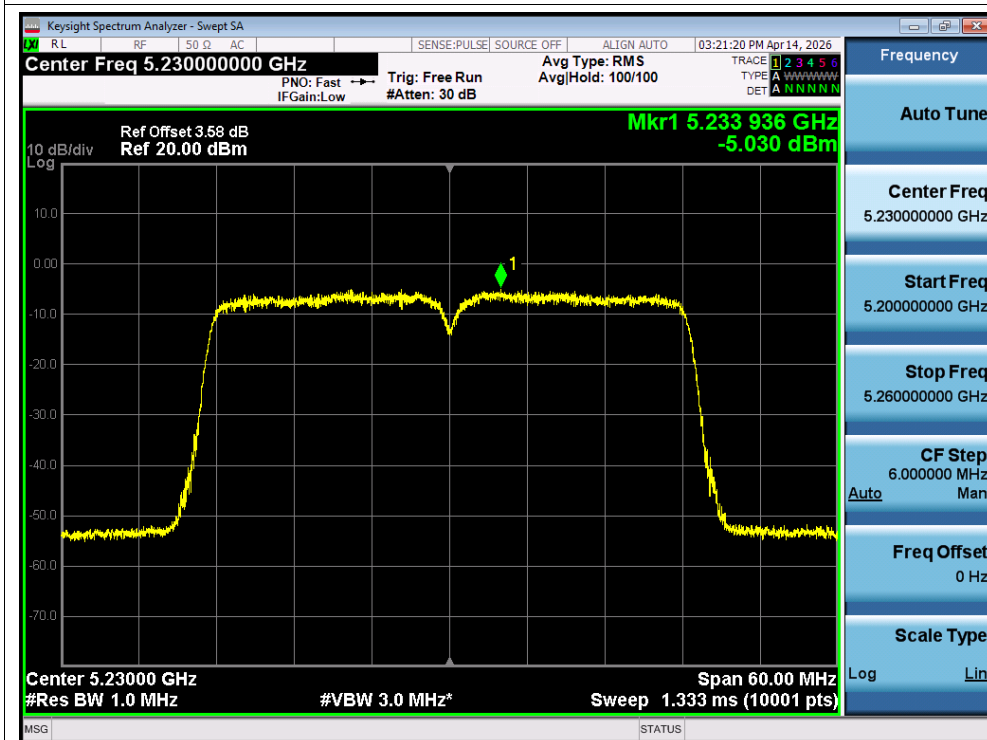
PSD NVNT ac20 5240MHz AntB



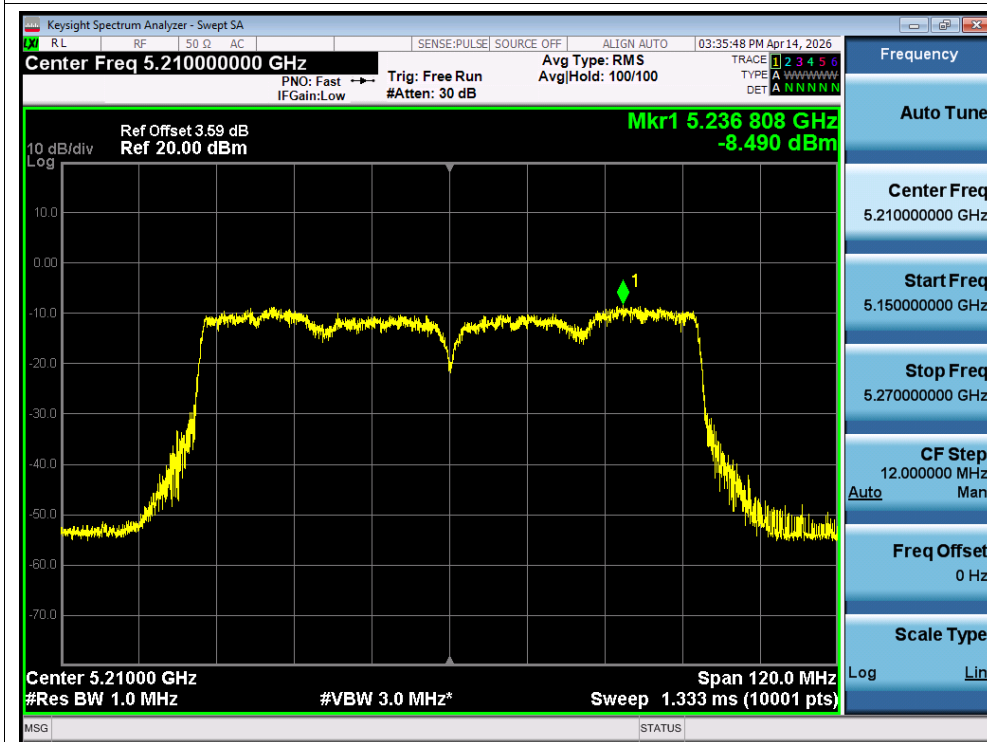
PSD NVNT ac40 5190MHz AntB



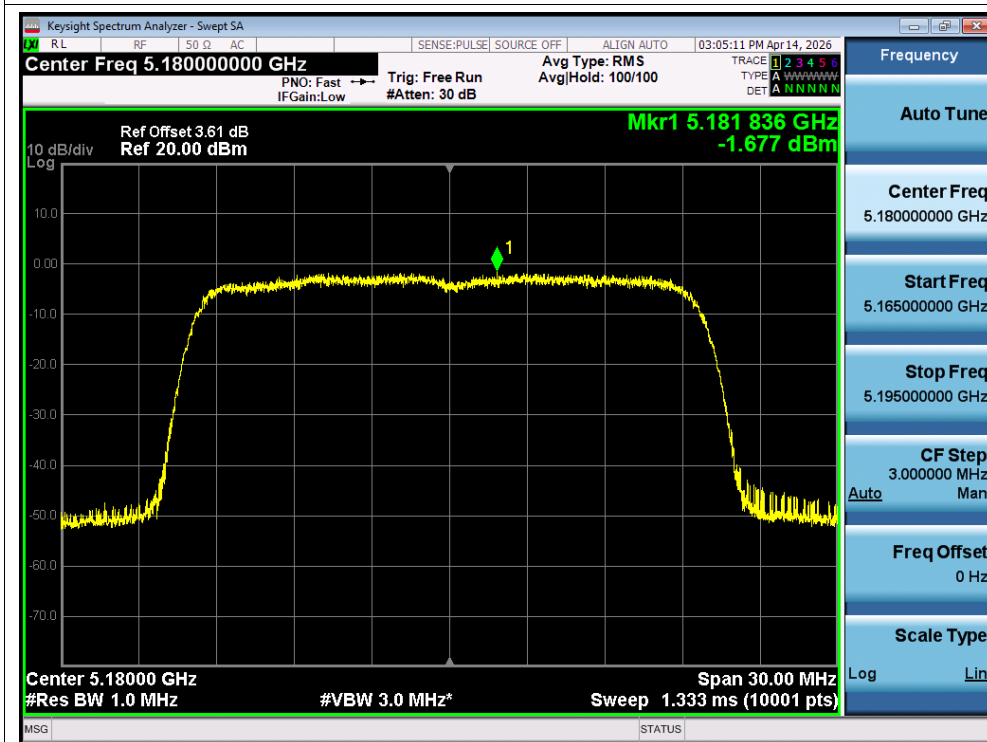
PSD NVNT ac40 5230MHz AntB



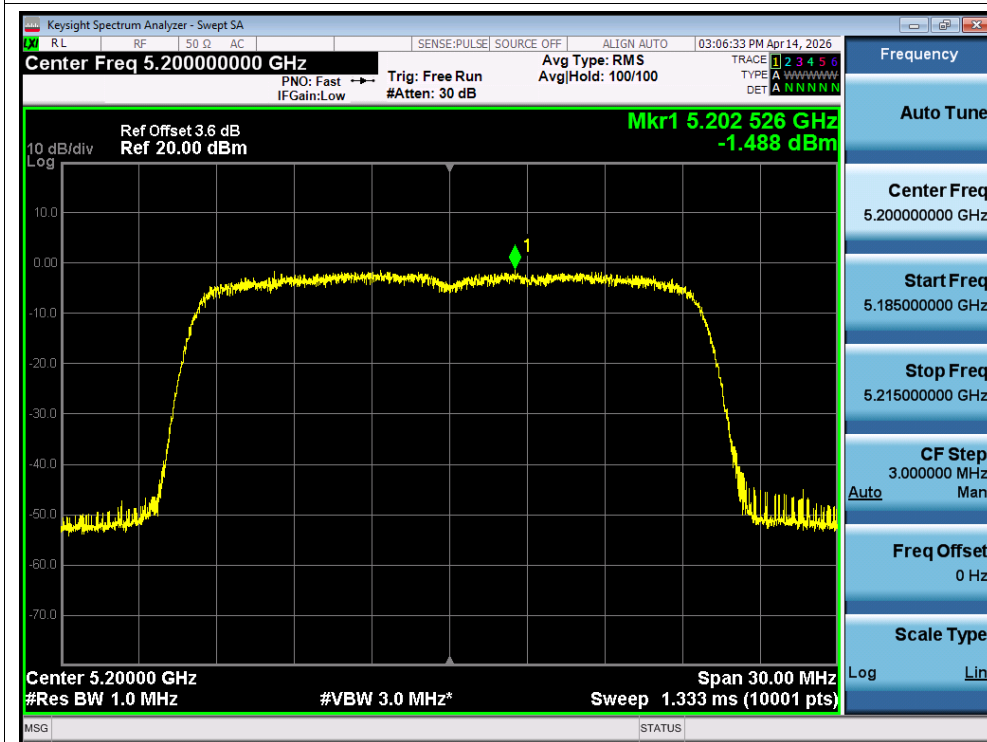
PSD NVNT ac80 5210MHz AntB



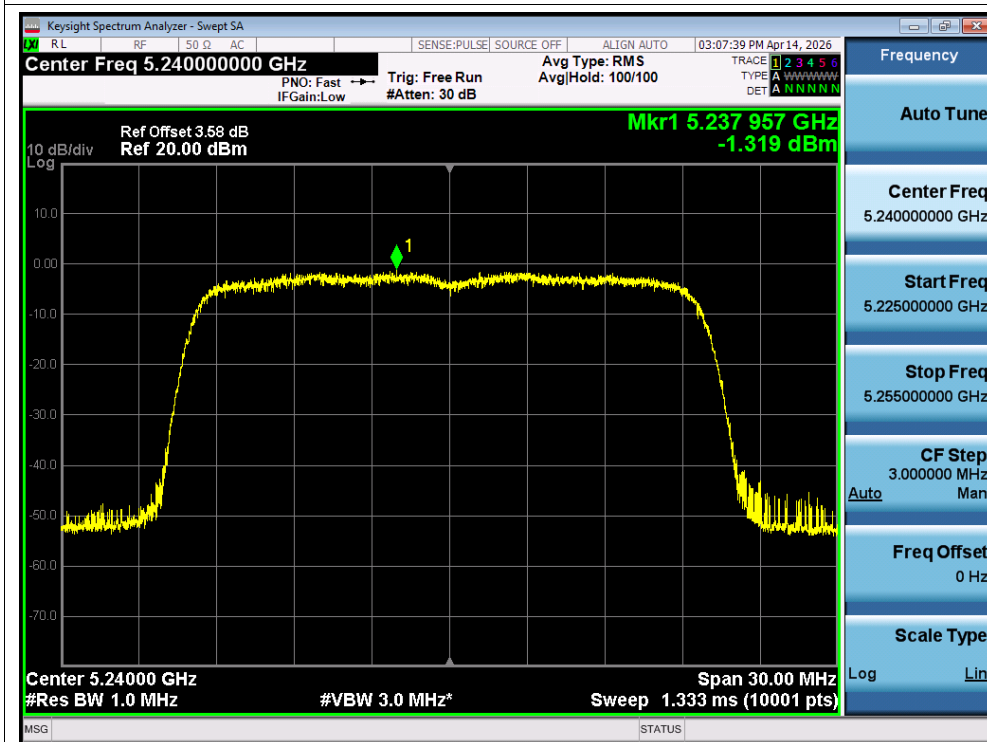
PSD NVNT ax20 5180MHz AntB



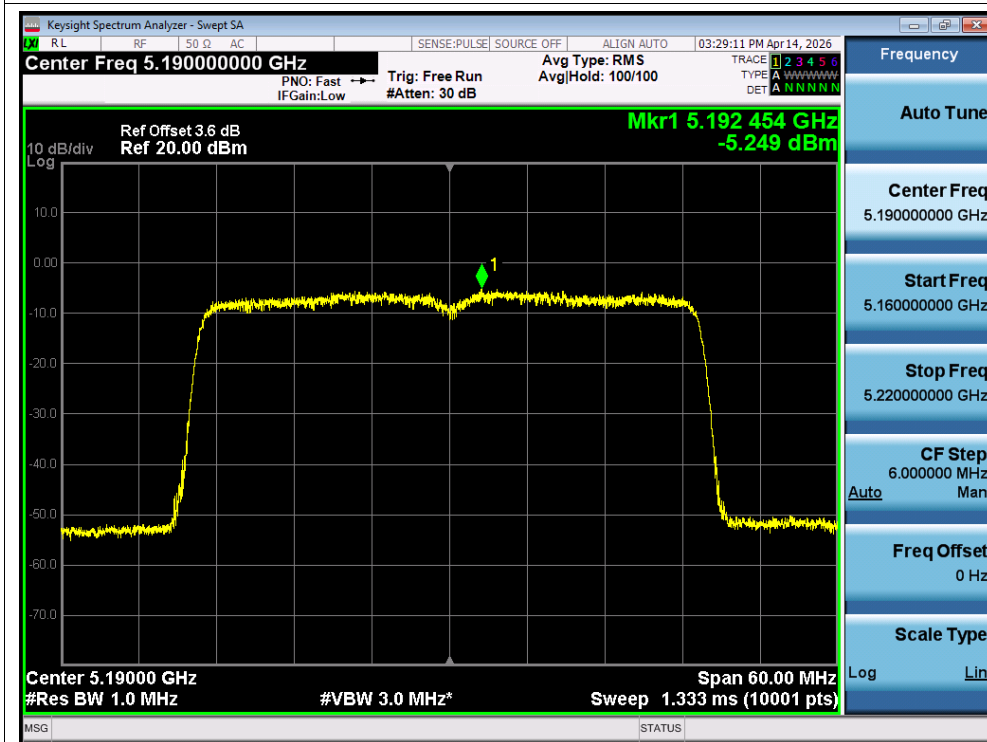
PSD NVNT ax20 5200MHz AntB



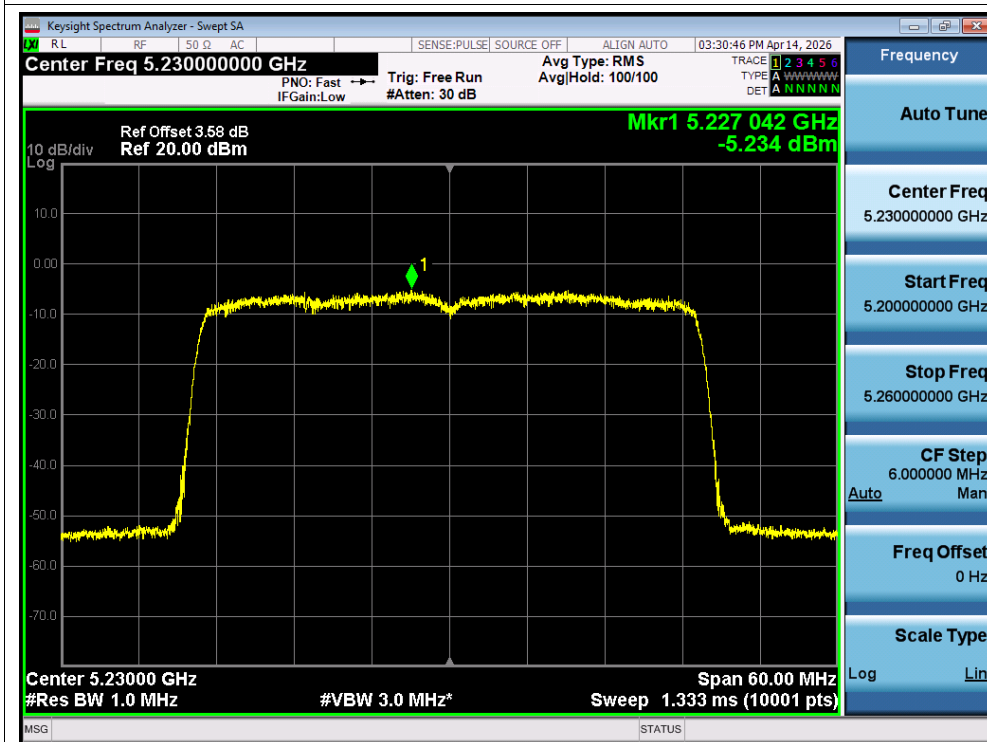
PSD NVNT ax20 5240MHz AntB



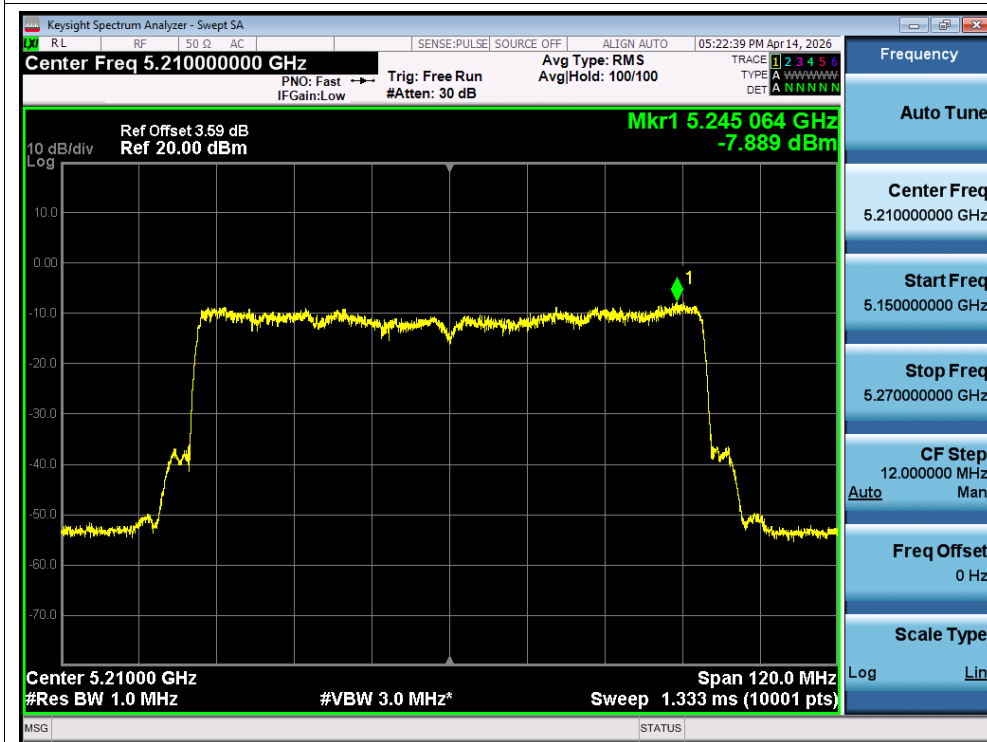
PSD NVNT ax40 5190MHz AntB



PSD NVNT ax40 5230MHz AntB



PSD NVNT ax80 5210MHz AntB

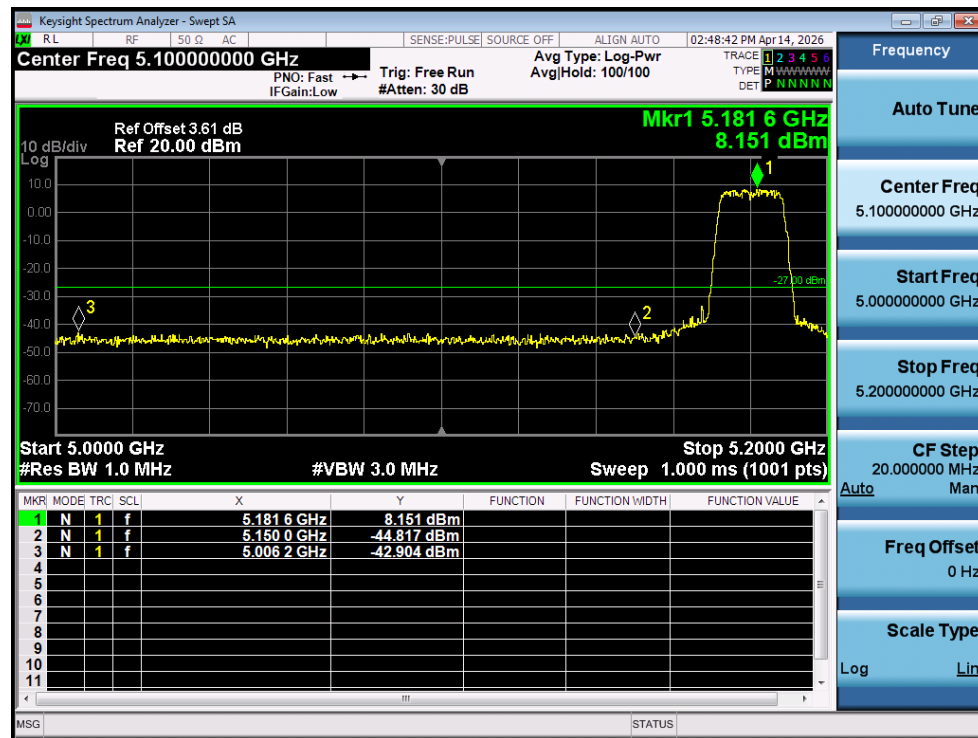


Band Edge

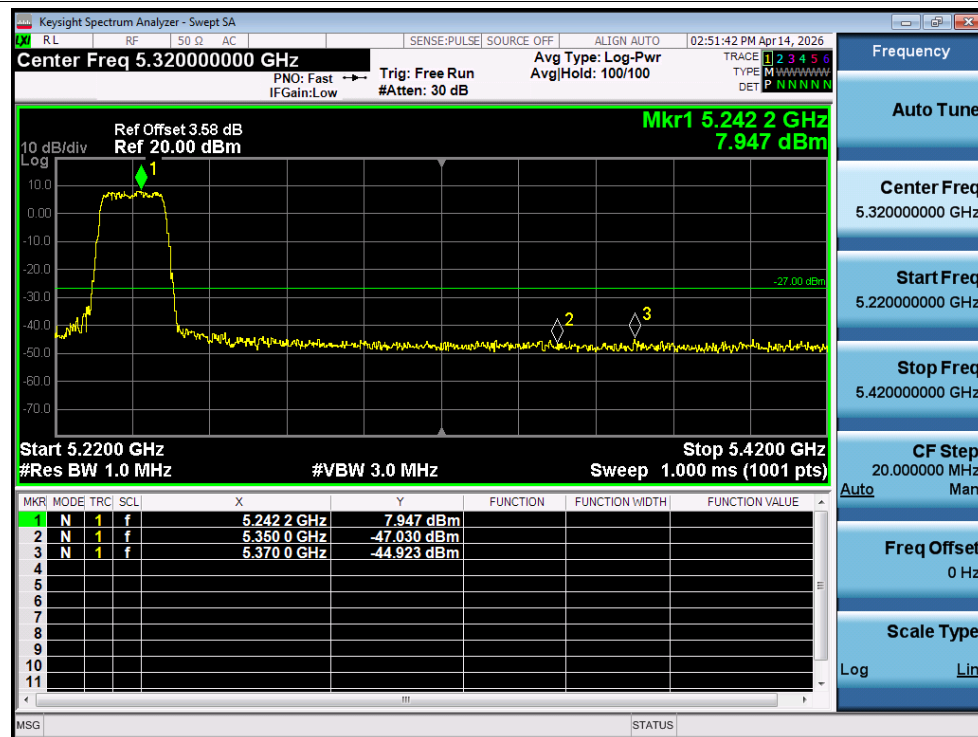
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntB	-42.9	-27	Pass
		5240		-44.92	-27	Pass
	n20	5180		-43.14	-27	Pass
		5240		-45.24	-27	Pass
	n40	5190		-42.92	-27	Pass
		5230		-45.21	-27	Pass
	ac20	5180		-42.38	-27	Pass
		5240		-45.23	-27	Pass
	ac40	5190		-41.82	-27	Pass
		5230		-45.26	-27	Pass
	ac80	5210		-42.15	-27	Pass
				-40.2	-27	Pass
	ax20	5180		-41.93	-27	Pass
		5240		-44.88	-27	Pass
	ax40	5190		-42.89	-27	Pass
		5230		-45.55	-27	Pass
	ax80	5210		-42.95	-27	Pass
				-41.87	-27	Pass

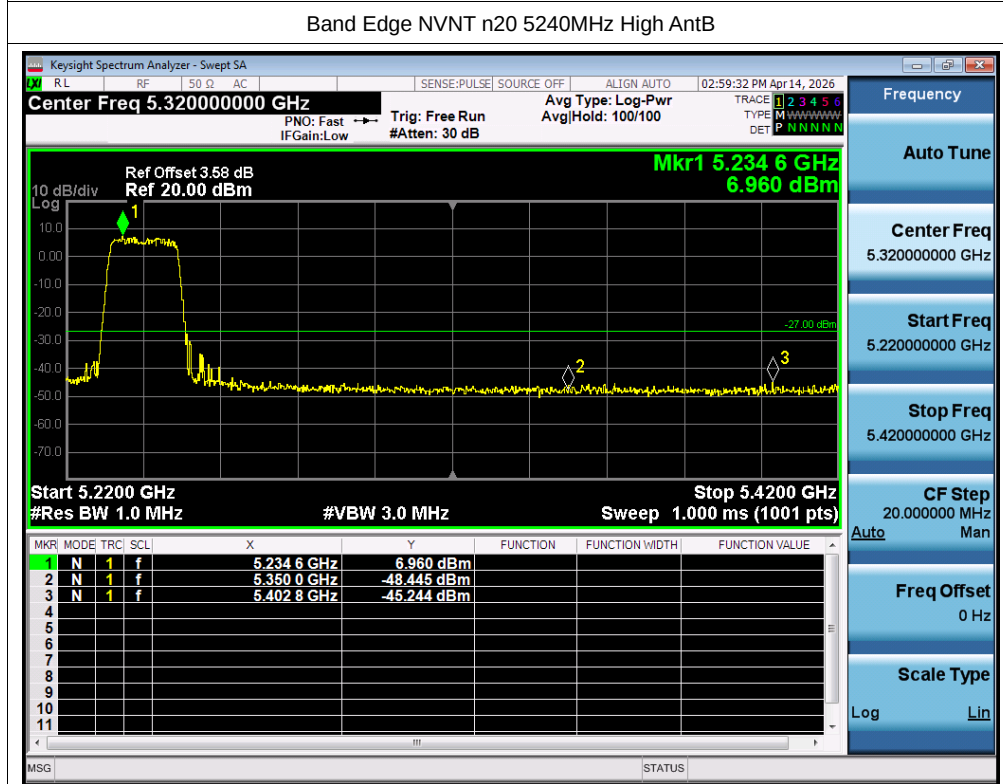
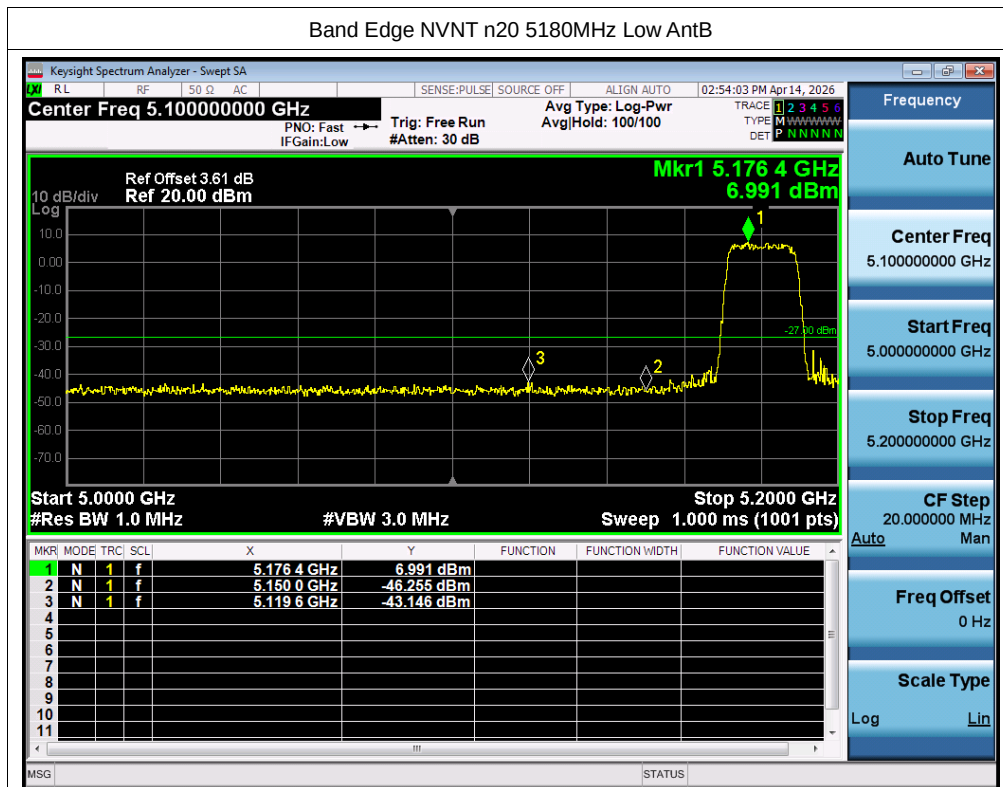
Test Graphs

Band Edge NVNT a 5180MHz Low AntB

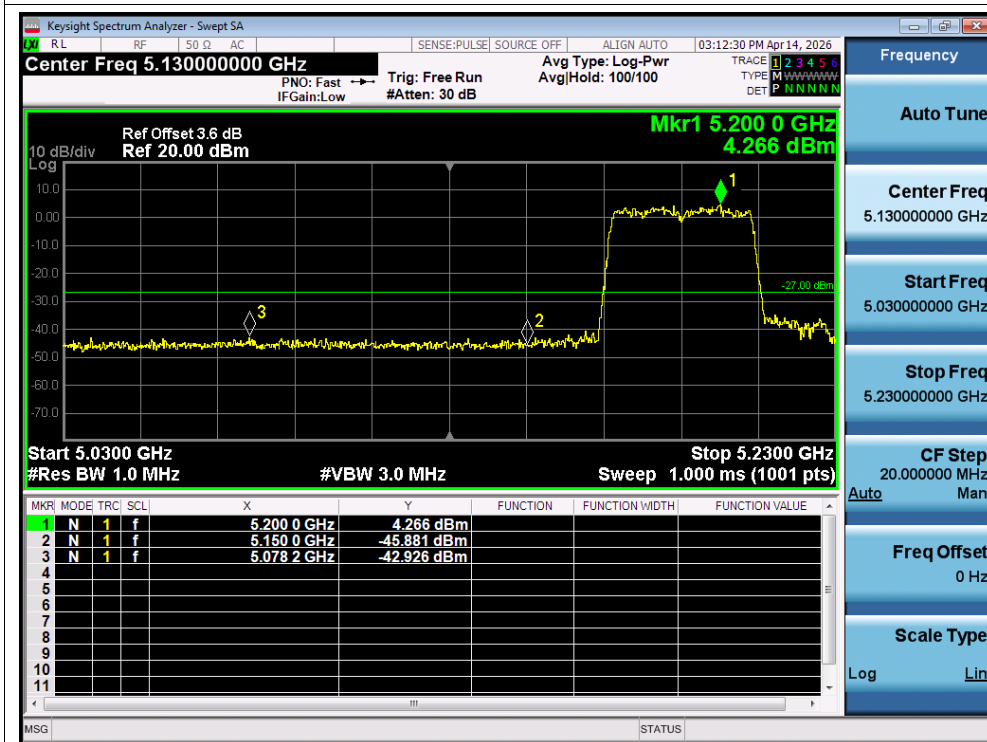


Band Edge NVNT a 5240MHz High AntB

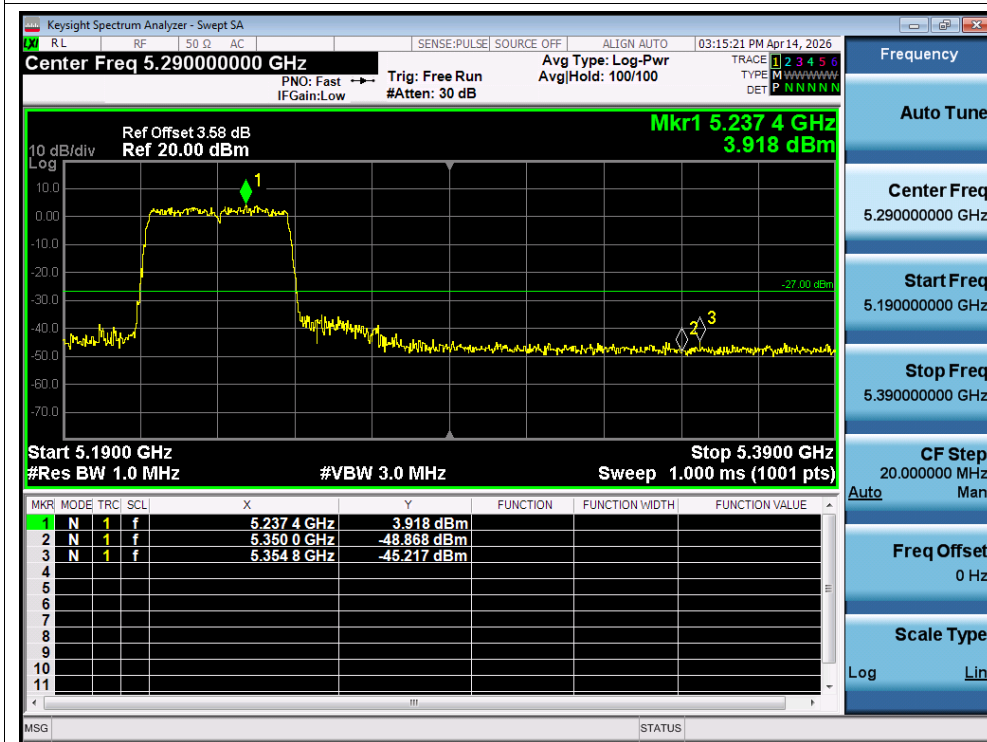




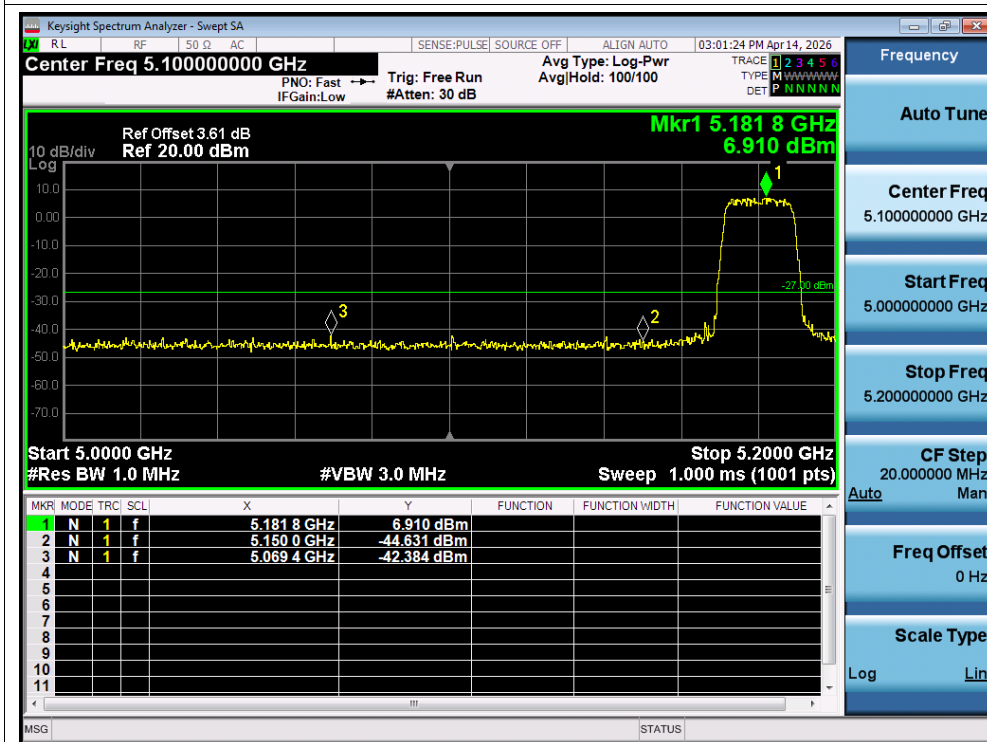
Band Edge NVNT n40 5190MHz Low AntB



Band Edge NVNT n40 5230MHz High AntB



Band Edge NVNT ac20 5180MHz Low AntB



Band Edge NVNT ac20 5240MHz High AntB

